General Land Office • Original Field Notes

Book Number

537

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

Field Notes

of the
Resurvey of Exterior Lines
and
Survey of Subdivision Lines
of
Township No. 29 North
of the Base Line
of
Range No. 30 West of
the 6th Principal Meridian
in Nebraska

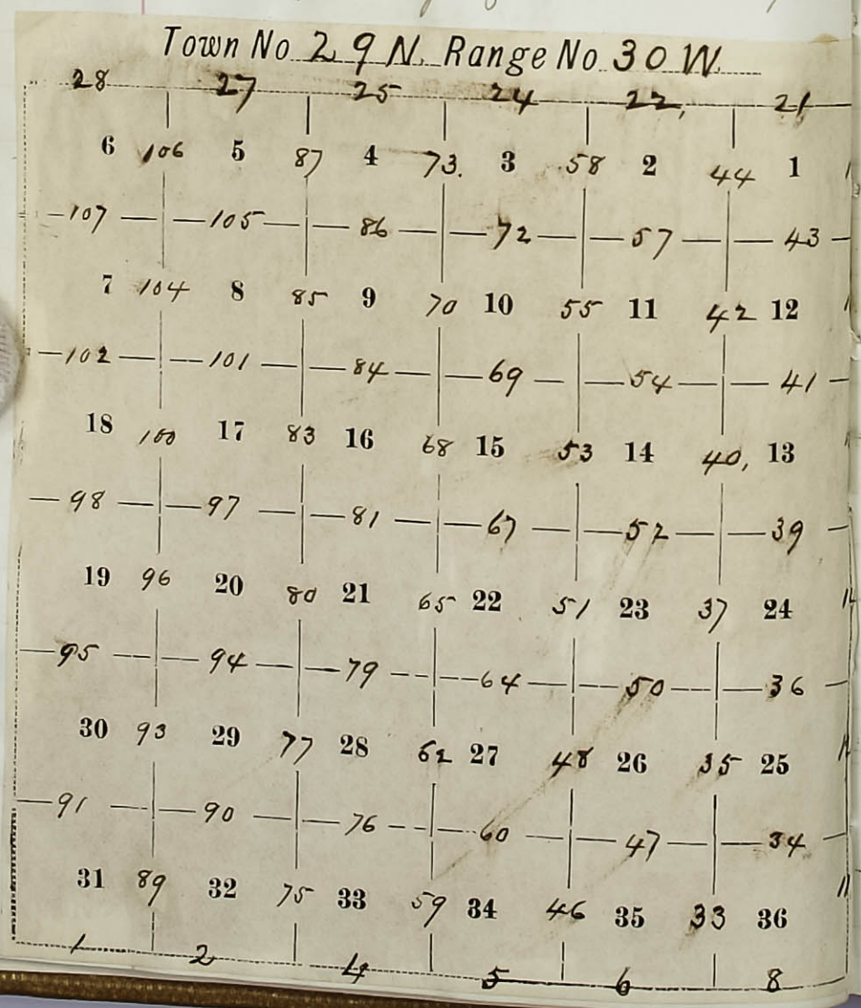
as surveyed
by
Thomas Graham
U. S. Deputy Surveyor
under his Contract
No. 119
Dated June 14th 1881

Survey Commenced September 26th 1881
Survey Completed October 1st 1881.

Names and duties of assistants

W. T. Richardson	Compassman
G. W. Samson	Chainman
R. B. Rutherford	Chainman
Geo. E. Richtmyer	Moundman
John W. Herrain	Moundman
Elmer E. Loy	Flagman

For Preliminary Oaths see Pages 1 to 11 inclusive, Survey of Town 30 N. Range 30 W.



Exteriors T. 29 N. R. 30 W.

Chains	
	Resurvey of 7th Standard Parallel Range 30 W.
	The cors in this line were so dim that they could only be found by resurveying the whole six miles
	Commencing at the Standard Township cor. to Townships 29 N. of Ranges 30 and 31 W. on the 7th Standard Parallel described at page 2 Survey of Township 29 N. R. 31 W.
	Thence I run
	East on South Boundary Sec. 31
	Va. 12°. 35' E.
40.00	The old 1/4 sec. cor. in marshy ground nearly destroyed. I rebuild mound 2 ft. high 4½ ft. base dug pits 18 X 18 X 12 ins E. and W. of cor. 5½ ft. dist. and in E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. S. C.

Chains

on N. face

79.93. Three sided stake marked R.30. S31 on E.- T 29 S31 on W.- S.C. on S. face with 1 notch on W. and 5 notches on E. edge in mound. I rebuild mound making it 2½ ft. high 5 ft. base dug pits 18 X 18 X 12 ins N. E. and W. of Cor. 5½ ft. dist in E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked

T 29 N. R 30 W. S.C. on N.
S 32 on E. and
S 31 on W faces with 1 notch on W. and 5 notches on E. face

Land – Rolling
Soil – 1st and 2d rate

East on South boundary sec. 32
Va 12°. 35' E.

40.05 The old ¼ sec. cor. in fair condition. I rebuild mound

Chains

making it 1½ ft. high 3½ ft. base Clean out pits E and W. of Cor. 5½ ft. dist making them 18 X 18 X 12 ins. and in E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S.S.C. on N face

80.00 The old Standard Cor. to Secs 32 and 33 a mound and pits in fair condition but no stake or similar marks I rebuild mound making it 2 ft. high 4½ ft. base Clean out pits N. E. and W. of Cor. 5½ ft. dist making them 18 X 18 X 12 ins. and in E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked

T 29 N. R 30 W. S.C. on N.
S 33 on E. and
S 32 on W. faces with 2 notches on W. and 4 notches

Exteriors T 29 N. R. 30 W.

Chains

on E. face
Land. Hilly
Soil – 3rd rate

East on South boundary Sec. 33.
Va 12° 35' E.

39.87 The old 1/4 Sec. Cor. a mound and pits in fair condition – I rebuild mound making it 1 1/2 ft. high 3 1/2 ft. base Clean out pits E and W. of Cor. 5 1/2 ft. dist. making them 18 X 18 X 12 ins. and in E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. S. C. on N. face

79.92 The old Standard Cor. to Secs. 33 and 34 a mound and pits N. E. and W. 5 1/2 ft. dist in fair condition but no Stake or Circular mark. I rebuild old mound making it 2 ft. high and 4 1/2 ft. base

Exteriors T 29 N. R. 30 W

Chains.

clean out pits making them 18 X 18 X 12 ins. and in E. pit drove stake 2 ft. long 2 ins. Square 12 ins in the ground marked T 29 N. R 30 W. S. C. on N. S 34 on E. and S 33 on W. faces with 3 notches on each of E. and W. faces
Land. Hilly. Soil 3rd rate.

East on South boundary of Sec. 34
Va. 12° 35' E.

40.00 The old 1/4 Sec. Cor. nearly de=
=stroyed originally a mound and pits – I rebuild mound making it 1 1/2 ft. high 3 1/2 ft. base clean out pits E. and W. of Cor. 5 1/2 ft. dist making them 18 X 18 X 12. and in E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. S. C. on N. face

80.16 The old Standard Cor. to Secs. 34 and 35 a mound and

Subdivisions T 29 N. R. 30 W.

Chains	
	pits N. E. and W. of cor. 5½ ft. dist nearly destroyed but no Stake or Similar mark I rebuild mound making it 2 ft. high 4½ ft. base and Clean out pits making them 18X18X12 ins. in E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 29 N. R. 30 W. S. C. on N. S 35 on E. and S 34 on W. faces with 4 notches on W. and 2 notches on E. face. Land. Hilly Soil - 3d rate
	East on South boundary of Sec. 35 Va. 12° 35' E.
40.03	The old ¼ Sec. Cor. a mound with pits E. and W. of Cor. 5½ ft. dist. but no

Subdivisions T 29 N. R 30 W.

Chains	
	Stake or Similar mark. Rebuild mound making it 1½ ft. high 3½ ft. base Clean out pits making them 18X18X12 ins. and in E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. S. C. on N. face
79.88	The old Standard Cor. to Secs. 35 and 36 a mound with pits E. N. and W. of Cor. 5½ ft. dist all in fair condition but no Stake or Similar mark. I rebuild mound making it 2 ft. high 4½ ft. base, clean out pits making them 18X18X12 ins. and in E. pit drove a Stake 2 ft. long 2 ins Square 12 ins. in the ground marked T 29 N. R. 30 W. S. C. on N. S 35 on W. and

Exteriors T29 N. R. 30 W.

Chains

S 36 on E. faces with 1 notch on E. and 5 notches on W. face
Land - Rolling
Soil - 3d rate

East on South boundary sec 36.
Va. 12°.35' E.

40.00 The old 1/4 sec. cor. a mound and pits in fair condition, but no State or similar mark.
I rebuild mound making it 1½ ft. high 3½ ft. base clean out pits E. and W. of cor. 5½ ft. dist making them 18x18x12 ins. and in E. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. S. C. on N. face

80.05 The Standard township cor. to townships 29 N. of Ranges 29 and 30 W. a

Exteriors T29 N. R. 30 W.

Chains.

mound in fair condition with post 3 ins. Square 4 ft. long in mound marked T 29 S. C. on N. R 29 S. 31 on E. and R 30 S 36 on W faces with 6 notches on N. E. and W. faces with pits N. E. and W. of cor. 6 ft. dist. I rebuild mound making it 2½ ft. high 5 ft. base around post and clean out pits making them 24x18x12 ins.
Land. Hilly
Soil. - 3d rate.

Exterior T 29 N. R. 30 W.

Chains

Resurvey of East boundary of Township 29 N. of Range 30 W. of the 6th P. M. in Nebraska

Previous to Subdividing this township I commence by running North on a blank line on the east boundary of Sec. 36 va 12°. 35' E. and at 40. chs. I found the old 1/4 Sec. Cor. a mound and pits nearly obliterated and at 80.06 chs. the old cor. to Secs. 25. 30. 31 and 36 a mound with pits nearly destroyed with no Stake or Similar mark at either Cor. I. therefore continue the true line North. found the alignment good and the measurements practically correct the Cor. to townships 29 and 30 N. of Ranges 29 and 30 W. due north of the Starting Cor. but that most of the Cors. were nearly destroyed

Exterior T 29 N. R. 30 W.

Chains

and are entirely missing I therefore resurvey the said line as follows.:

Commencing at the Standard Cor. to townships 29 N. Ranges 29 and 30 W. described at page 9.

I run

North bet. Secs. 31 and 36.

va. 12°. 35' E.

40.00 The old 1/4 Sec. Cor. a mound and pits nearly obliterated I re=build mound making it 1½ ft. high 3½ ft. base dig out pits N and S. of Cor. 5½ ft. dist making them 18 X 18 X 12 ins. and in N. pit drive stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face

80.06 The old Cor. to Secs. 25. 30. 31 and 36 a mound and pits nearly destroyed - I rebuild mound making it 2 ft. high 4½ ft.

Exteriors T 29 N. R. 30 W.

Chains

base - clean out pits in each sec. 5 1/2 ft. dist. from cor. making them 18 X 18 X 12 ins. In SE. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked
T 29 N. S 30 on NE.
R 29 W. S 31 on SE.
R 30 W. S 36 on SW. and
S 25 on NW. faces with 5 notches on N. and 1 notch on S. edge
Land - Rolling
Soil - 2d and 3d rate.

North bet. secs. 25 and 30.
Va. 12° 35' E.

40.00 made diligent search in this vicinity but can find no trace of old 1/4 Sec. cor. Deposited Char=red stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18 X 18 X 12 ins. N. and S. of cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over

Exteriors T 29 N. R. 30 W.

Chains

it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.

80.04 The old cor. to secs. 19, 24, 25 and 30 a mound and pits all in fair condition. I rebuild mound making it 2 ft. high 4 1/2 ft. base clean out pits in each sec. 5 1/2 ft. dist. from cor. mak=ing them 18 X 18 X 12 ins. In SE. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked
T 29 N. S. 19 on NE.
R 29 W. S. 30 on SE.
R. 30 W. S. 25 on SW. and
S 24 on NW. faces, with 2 notches on S. and 4 notches on N. edges
Land - Rolling
Soil - 2d rate.

Exteriors T29N. R. 30W.

Chains

North bet. Secs. 19 and 24
Va. 12° 35' E.

40.05 The old 1/4 Sec. Cor. nearly obliterated being mound and pits. I rebuild mound making it 1½ ft. high 3½ ft. base. clean out pits N. and S. of Cor. 5½ ft. dist. making them 18X18X12 ins. and in N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face.

80.07 The old Cor. to Secs. 13. 18. 19 and 24 a mound with pits nearly obliterated. I rebuild mound making it 2 ft. high 4½ ft. base Clean out pits in each Sec. 5½ ft dist. from Cor. making them 18X18X12 ins. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked.

T29N. S. 18 on NE.

Exteriors T29N. R. 30W.

Chains

R. 29 W. S. 19 on SE.
R. 30 W. S. 24 on SW. and S. 13 on NW. faces with 3 notches on each of N. and S. edges
Land – Rolling
Soil – 2nd and 3rd rate.

North bet. Secs. 13 and 18
Va. 12° 35' E.

40.08 The old 1/4 Sec. Cor. a mound and pits nearly ~~obliterated~~ I rebuild mound making it 1½ ft. high 3½ ft. base clean out pits N. and S. of Cor. 5½ ft. dist. making them 18X18X12 ins. and in N. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face

80.06 The old Cor. to Secs. 7, 12, 13. and 18 a mound and pits nearly ~~obliterated~~. I re=

Exteriors T29 N. R. 30 W.

Chains	
	build mound making it 2 ft. high 4½ ft. base, clean out pits in each sec. 5½ ft. dist from cor. making them 18X18 X12 ins. and in S.E. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T29 N. S 7 on N.E. R29 W. S. 18 on S.E. R. 30 W. S 13 on S.W. and S 12 on N.W. faces. with 4 notches on S. and 2 notches on N edge Land – Rolling Soil – 2d and 3d rate.
	North bet. secs. 7 and 12, Va. 12°. 35' E.
40.09	The old ¼ Sec. Cor. a mound and pits nearly obliterated I rebuild mound making it 1½ ft. high 3½ ft. base clean out pits N. and S. of cor.

Exteriors T29 N. R. 30 W.

Chains.	
	5½ ft. dist. making them 18X 18X12 ins. and in N. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
79.98	The old cor. to Secs. 1, 6, 7 and 12 a mound and pits nearly destroyed – I rebuild mound making it 2 ft. high 4½ ft. base and clean out pits in each Sec. 5½ ft. dist from Cor. making them 18X18X12 ins. In S.E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T29 N. S. 6 on N.E. R29 W. S. 7 on S.E. R 30 W. S 12 on S.W. and S 1 on N.W. faces, with 5 notches on S. and 1 notch on N. edges. Land – Rolling Soil – 2d rate

Exteriors T 29 N. R. 30 W.

Chains	
	North bet. secs. 1 and 6 Va. 1 2° 35' E.
39.95	The old 1/4 Sec. Cor. a mound and pits in fair condition - I rebuild mound 1½ ft. high 3½ ft. base, clean out pits N. and S. of Cor. 5½ ft. dist. making them 18 X 18 X 12 ins. and in N. pit drove Stake 2 ft. long 2 ins. square, 12 ins. in the ground marked 1/4 S. on W. face
80.00.	The old Cor. to townships 29 and 30 N. of Ranges 29 and 30 W. nearly destroyed being originally a mound with pits, No stake post or stone to be found after diligent search, I rebuild mound 2½ ft. high 5 ft. base, clean out pits N. S. E. and W. of Cor. 6 ft. dist making them 24 X 18 X 12 ins and in E. pit,

Exteriors T 29 N. R. 30 W.

Chains	
	drove a Stake 2 ft. long 2 ins. square 12 ins. in the ground marked, T 30 N. S. 31 on N.E. R. 29 W. S. 6 on S.E. T 29 N. S 1 on S.W. and R 30 W. S 36 on N.W. faces with 6 notches on each edge Land.- Hilly Soil.- 2d rate

Exteriors T29N. R. 30 W.

Chains	
	Resurvey of North boundary of township 29 N. of Range 30 W. of 6th Principal Meredian
	Commencing at the Cor. to townships 29 and 30 N. of Ranges 30 and 31 W. I run East on a blank line bet. Secs. 6 and 31
	Va. 12°. 05' E. and at 42.18 chs. found the 1/4 Sec. Cor. and at
	82.28 chs at 30 lks North found the Cor. to Secs. 5. 6. 31 and 32 I continue the true line
	E. and find that no portion of this boundary is in alignment and all the Corners in bad con=
	=dition with some nearly destroy=
	=ed but the Cor. to townships 29 and 30 N. of Ranges 29 and 30 W.
	was due east of starting Cor. as no subdivisions had been
	made on either side of this township boundary I resurvey said boundary as follows.

Exteriors T29N. R. 30 W

Chains	
	Commencing at the Cor. to Townships 29 and 30 N. of Ranges 29 and 30 W described at pages 18 and 19 I run
	West bet. Secs. 1 and 36
	Va. 12°. 05' E.
40.00	made diligent search but could find no 1/4 Sec. Cor. I deposited Charred Stake 12 ins.
	in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins E. and W. of
	Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high
	3 1/2 ft. base - In E. pit. drove
	stake 2 ft. long 2 in. Square 12
	ins. in the ground marked 1/4
	S. on N. face
80.00	Deposited Charred stake 12 ins
	in the ground for Cor. to Secs. 1, 2,
	35 and 36 dug pits 18 X 18 X 12 ins.
	in each Sec. 5 1/2 ft. dist. and
	raised a mound of earth
	2 ft. high 4 1/2 ft. base over it

Exteriors T29N. R. 30W.

Chains	
	In S.E. pit drove a stake 2 ft. long 2 in. square 12 ins. in the ground marked T 30 N. S. 36 on N.E. R. 30 W. S. 1 on S.E. T 29 N S 2 on S.W. and S 35 on N.W. faces with 1 notch on E. and 5 notches on W. edge. From this cor. the old cor. a mound and pits but no stake bears N. 1°. 30' E. 4. 25 chs dist Destroyed old cor. Land.- Rolling - Soil.- 2d rate.
	West bet. Secs. 2 and 35. Va. 12°. 05' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S.

Exteriors T29N. R. 30W.

Chains	
	on N. face, From this cor. the old cor. a mound and pits bears N. 2°. 15' E. dist 3.82 chs. Destroyed old cor.
80.00	Deposited Charred stake 12 ins. in the ground for cor. to Secs. 2, 3, 34 and 35. dug pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 1 2 ft. high 4 1/2 ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 30 N. S. 35 on N.E. R. 30 W. S. 2 on S.E. T 29 N. S. 3 on S.W. and S 34 on N.W. faces with 2 notches on E. and 4 notches on W. edge. From this cor. the old cor. a mound and pits bears N 1°. 50' E 3.20 chs. dist. Destroyed old cor. Land. Hilly. Soil. 3d rate.

Exteriors T29N. R. 30W.

Chains	
	West bet. Secs. 3 and 34
	Va. 12°. 05' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face. From this Cor. the old Cor. a mound and pits bears N. 1°. 30' E. dist 2.78 chs.
	Destroyed old Cor.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 3. 4. 33 and 34 dug pits 18X18X12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it In S E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked

Exteriors T29N. R. 30W.

Chains.	
	T 30 N. S. 34 on N E,
	R. 30 W. S. 3 on S E.
	T 29 N. S. 4 on S W. and
	S 33 on N W. faces with 3
	notches on E. and W. edges
	From this Cor. the old Sec. Cor.
	a mound and pits bears N. 1° E.
	2.45 chs. dist. Destroyed old
	Sec. Cor.
	Land - Hilly
	Soil. 3d rate
	West bet. secs. 4 and 33.
	Va 12°. 05' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits E. and W. of Cor. 18X18X12 ins. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face

Exteriors T29 N. R. 30 W.

Chains	
	From this Cor. the old 1/4 sec. Cor. a mound and pits bears N 0° 30' E. 2,12 chs. dist, Destroyed old Cor,
80.00.	Deposited Charred Stake 12 ins in. the ground for Cor, to Secs. 4, 5, 32 and 33, dug pits 18X18X12 ins. in each Sec, 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 30 N. S. 33 on N E, R 30 W. S. 4 on S E, T 29 N. S. 5 on S W. and S 32 on N W. faces with 4 notches on E. and 2 notches on W. edge
	From this Cor. the old sec Cor. a mound and pits bears North 1.70 chs. dist.

Exteriors T29 N. R. 30 W.

Chains.	
	Destroyed old sec. cor, Land - Hilly Soil - 3d rate.
	Next bet. secs. 5 and 32 Va. 12° 05' E.
40.00	make diligent search but can find no 1/4 sec. Cor. Deposited Charred stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 sec, Cr. on N. face
80.00	Deposited charred Stake 12 ins. in the ground for Cor. to Secs 5, 6. 31 and 32 dug pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove a

Exteriors T 29 N. R. 30 W.

Chains	
	stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 29 N. S. 32 on NE. R 30 W. S 5 on SE. T 30 N. S. 6 on SW. and S 31 on NW. with 5 notches on E. and 1 notch on W. edge From this cor. the old Sec. cor. a mound and pits bears North 30 lks. dist – Destroyed old sec. cor. Land – Rolling Soil – 2d rate
	West bet. Secs. 6 and 31 Va 12°.05' E.
40.00	The old 1/4 Sec. Cor. a mound and pits nearly obliterated. I rebuild mound making it 1½ ft. high 3½ ft. base clean out pits E. and W. of cor. 5½ ft. dist making them 18×18×12 ins. and in E. pit drove stake 2 ft. long 2 ins. square 12 ins. in

Exteriors T 29 N. R. 30 W.

Chains.	
	the ground marked 1/4 Sec. on N. Side
61.30	Gordons Creek 8 lks. wide Course NE. here a dry sandy Channel
87.28	The cor. to townships 29 and 30 N. Ranges 30 and 31. W. a mound and pits described at page 13. Survey of T 30 N. R. 31 W.

Field Notes
of the survey of
of the subdivision Lines
of
Township No. 29 North
of the Base Line
of
Range No. 30, West
of the Sixth Principal Meridian
in
Nebraska

as surveyed by

Thomas Graham
U.S. Deputy Surveyor
under his contract
No. 119
Dated June 14th 1881.

Survey Commenced September 26th 1881
Survey Completed October 1st, 1881

Names and duties of assistants

	Compassman
G. W. Lawson	Chainman
R. B. Rutherford	Chainman
Geo. E. Richtmyer	Moundman
John W. Merriam	Moundman
Elmer E. Leaf.	Flagman

For Preliminary oath see Pages 1 to 11 inclusive in survey of Town 30 N. Range 31 W.

Index on Page 0.

Subdivision T29 N. R. 30 W.

Having retraced the East and South boundary of this township I commence at once to Subdivide at Standard Cor. to Secs. 35 and 36 on South boundary. Survey commenced September 26th 1881 with a Ward L. E. Gurley's Railroad Compass.

I commence at standard Cor. to Secs 35 and 36 aforesaid a mound described at page 7. Thence Drew North bet. secs. 35 and 36. Va. 12° 35'

40.00 Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and S. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground, marked 1/4 S. on W. face

80.00 Deposited Charred Stake 12

Subdivisions T 29 N. R. 30 W.

Chains	
	ins. in the ground for cor. to Secs. 25, 26, 35 and 36 dug pits 18X18X12 ins. in each sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 29 N. S. 25 on NE., R 30 W. S. 36 on SE., S 35 on SW. and S 26 in NW. faces with 1 notch on each S and E. edge Land. Rolling and broken Soil – 3d rate.
	East on a random line bet. secs. 25 and 36 Va. 12° 35' E.
40.00	Set temporary ¼ Sec. Cor.
79.70	Intersected N. and S. line 18 lks. S. of Cor. to Secs. 25, 30, 31 and 36 described at pages 11 and 12 Thence S. on

Subdivisions T 29 N. R. 30 W.

Chains	
	S 89° 52' W. on a true line bet. Secs. 25 and 36 with same va.
39.85	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins in the ground marked ¼ S. on N. face
79.70	The Cor. to Secs. 25, 26, 35 and 36 Land – Rolling and broken Soil – 3d rate.
	North bet. secs. 25 and 26 Va. 12° 45' E.
40.00	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground

Subdivisions T29N. R. 30W.

Chains	
	marked 1/4 S. on W. side of face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 23, 24, 25 and 26. dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T29N. S. 24 on NE. R30W. S 25 on SE. S 26 on SW. and S. 23 on NW. faces, with 1 notch on E. and 2 notches on S. edge Land. Hilly and broken Soil - 3d and 4 rate
	East on a random line bet. secs 24 and 25 Va. 12°. 45' E.
40.00	Set temporary 1/4 Sec. Cor.

Subdivisions T29N. R 30W.

Chains.	
79.70	Intersect N. and S. line 45 lks. N. of Cor. to Secs. 19, 24, 25 and 30 described at Page 13. Thence Drive N 89°. 41' W. on a true line bet. Secs. 24 and 25 with same Va.
39.85	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
79.70	The Cor. to Secs. 23, 24, 25 and 26 Land - Rolling Soil - 3d rate.
	North bet. Secs. 23 and 24 Va. 12°. 45' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound

Subdivisions T29 N. R. 30 W.

Chains	
	of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 13, 14, 23 and 24. dug pits 18X18X12 ins. in each sec 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T29 N. S. 13 on NE., R30 W. S. 24 on SE., S 23 on SW. and S 14 on NW. faces with 1 notch on E. and 3 notches on S edge. Land-Hilly and broken Soil - 3d and 4th rate

Subdivisions T29 N. R. 30 W.

Chains.	
	East on random line bet. secs. 13 and 24 Va. 12° 35' E.
40.00	at temporary ¼ Sec. Cor.
80.30	Intersect N. and S. line 42 lks. N. of Cor. to Secs. 13, 18, 19 and 24 a mound described at page 14 Thence I run N 89° 42' W. on a true line bet. secs. 13 and 24 with same va.
40.15	Deposited Charred Stake 12 ins. in the ground for ¼ sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face
80.30.	The Cor. to Secs. 13, 14, 23 and 24 Land-Hilly and broken Soil - 3d rate

Subdivisions T29 N. R30 W.

Chains	
	North bet. secs. 13 and 14 va 12° 35' E.
26.00	Large trails bears E. and W.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 11, 12, 13 and 14 dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it, In SE. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T29 N. S 12 on NE, R30 W. S 13 on SE, S 14 on SW, and S 11 on NW. faces with 1

Subdivisions T29 N. R30 W.

Chains	
	notch on E. and 4 notches on S. edge
	Land - S½ hilly and broken - N. half hilly
	Soil — 3d and 4th rate
	East on a random line bet. Secs. 12 and 13. va, 12° 35' E.
40.00	Set temporary 1/4 Sec. Cor.
41.00	Large trails bear NE. and SW.
80.40	Intersect East boundary of township 39 Mo. S. of Cor. to Secs. 7, 12, 13 and 18 a mound described at pages 15 and 16.
	Thence I run S 89° 43' W. on a true line bet. Secs. 12 and 13 with same va.
40.20	Deposited Charred Stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base

Subdivisions T 29 N. R. 30 W.

Chains	
	over it, On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.40	The cor. to Secs. 11, 12, 13 and 14 Land Rolling Soil, - 2d rate
	North bet. Secs 11 and 12. Va 12° 30' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18X18X12 ins. N. and S. of cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.00	Deposited Charred stake 12 ins. in the ground for cor. to Secs. 1, 2, 11 and 12 dug pits 18X18X12 ins. in each Sec. 5 1/2 ft. dist and

Subdivisions T 29 N. R. 30 W.

Chains.	
	raised a mound of earth over it 2 ft. high 4 1/2 ft. base On S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 29 N. S. 1 on N.E. R 30 W. S. 12 on S.E. S 11 on S.W. and S 2 on N.W. with 1 notch on E. and 5 notches on Sedge Land - Hilly Soil - 3d rate.
	East on a random line bet. Secs. 1 and 12 Va. 12° 40' E.
40.00	Set temporary 1/4 Sec. cor.
80.00	On brass the east boundary of the township 20 lks. S. of cor. to Secs. 1, 6, 7 and 12 a mound described at page 17. Thence Down S 89° 57' W. on a true line

Chains	
	bet. secs 1 and 12 with same va.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.00	The cor. to Secs. 1. 2. 11. and 12
	Land — Rolling
	Soil — 2d rate
	North on a random line bet. secs. 1 and 2 va. 12° 35' E,
40.00	set temporary 1/4 sec. cor.
81.92	Intersect north boundary of the township 10 lks. E. of cor. to Secs. 1. 2. 35 and 36 a mound described at pages 21 and 22 Thence I run

Chains	
	S 0°.04' E. on a true line bet. secs. 1 and 2 with same va.
41.92	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
81.92	The cor. to Secs. 1. 2. 11 and 12
	Land — Hilly
	Soil — 2d rate.
	September 26th 1881.

Chains	
	From the Standard Cor. to Sec. 34 and 35 on the South boundary of the Township a mound described at pages 5 and 6.
8	Down North bet. secs. 34 and 35. Va 12°. 35' Ins bluffs
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor.
4	dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it, On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. side
61.00	Leave bluffs and enter valley bears E.
80.00	Deposited Charred Stake 12 ins.
8	in the ground for Cor. to Secs. 26, 27 34 and 35 dug pits 18X18X12 ins. in each Sec 5½ ft. dist and raised mound of earth 2 ft.

Chains.	
	high 4½ ft. base over it, On SE. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 29 N. S. 26 on NE. R 30 W. S. 35 on SE. S 34 on SW. and S 27 on NW. faces with 1 notch on S. and 2 notches on E. edge
	Land - Bluffs rolling and broken valley level
	Soil. Bluffs 3° - valley 2° rate
	East on a random line bet. Secs. 26 and 35 Va. 12° 35' E.
10.00	Road to N. Loupe River bears SE.
33.00	Leave valley and enter bluffs bearing N W. and SE.
40.00	set temporary 1/4 Sec. Cor.
79.90	Intersect N. and Sluice 18 lks.

Ch	Chains	
		N. of Cor. to Secs. 25. 26. 35 and 36 Thence I gave N 89°. 52' E. on a true line bet. Secs. 26 and 35 with Same Va.
8	39.95	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake
4		2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
	79.90	The Cor. to Secs. 26. 27. 34 and 35. Land.- Rolling Soil - 2d rate.
		North bet. Secs. 26 and 27 Va. 12°. 35' E.
8	15.00	Road leading to N. Loupe River bears SE
	40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec.

Chains.	
	Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 22 23. 26 and 27. dug pits 18X18 X12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T29 N. S 23 on NE. R30 W. S. 26 on SE. S. 27 on SW. and S 22 on NW. faces with 2 notches on each S and E. edges. Land - Rolling Soil - 3d rate

Subdivisions T 29 N. R. 30 W.

Chains	
	East on a randum line bet. Secs. 23 and 26, Va. 12°. 35' E.
40.00	Set temporary 1/4 Sec. Cor
79.52	Intersect N. and S. line 20 lks. N. of Cor. to Secs 23, 24, 25 and 26 Thence Run N 89°. 51' W. on a true line bet. Secs. 23 and 26 with same Va.
39.76	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. East W. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it, Dug E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
79.52	The Cor. to Secs 22, 23, 26 and 27 Land — Rolling and broken Soil — 3rd rate

Subdivisions T 29 N. R. 30 W.

Chains.	
	North bet. Secs., 22 and 23, Va. 12°. 40' E.
12.00	Large trail course NE.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. Dug N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 14. 15. 22 and 23. dug pits 18 X 18 X 12 ins. in each sec 5 1/2 ft. dist and raised mound of earth 2 ft. high 4 1/2 ft. base over it, Dug SE. pit drove stake 2 ft. long 2 ins. Square 12 ins in the ground marked T 29 N. S. 14 on NE. R 30 W. S. 23 on SE.

Subdivisions T29N. R.30W.

Chains.	
	S 22 on SW. and S 15 on NW. faces with 2 notches on E. and 3 notches on S edge
8	Land – Rolling Soil – 2d rate
	East on a random line bet. Secs. 14 and 23, Va. 12° 30' E.
4 40.00	Set temporary 1/4 Sec. Cor.
57.00	Large trail bears N and S.
79.60	Intersect N. and S. line 62 lks N. of Cor. to Secs 13. 14, 23 and 24
	Thence I run N 89° 33' W. on a true line bet Secs. 14 and 23 with same Va.
39.80	Deposited Charred stake for 1/4 Sec. Cor 12 ins. in the ground dug pits 18X18X12 ins, E. and W. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. Dr E. pit

Subdivisions T29N. R.30W.

Chains	
	drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.60	The Cor. to Secs. 14, 15, 22 and 23. Land – Rolling Soil – 3d rate.
	North bet. Secs. 14 and 15 Va. 12° 40' E.
40.00	Deposited Charred stake for 1/4 Sec. Cor. 12 ins. in the ground, dug pits 18X18X12 ins N and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. Dr N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 10, 11, 14 and 15 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised a mound of

Subdivisions T29 N. R. 30 W.

Chains	
	earth 2 ft. high 4½ ft. base over it. On S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T29 N. S 11 on N.E., R30 W. S. 14 on S.E., S. 15 on S.W. and S 10 on N.W. faces with 2 notches on E. and 4 notches on S edge. Land – Rolling. Soil – 2d rate.
	East on a random line bet Secs. 11 and 14 Va 12° 20' E.
22.00	Enter bluffs bear N.E.
40.00	Set temporary ¼ Sec. cor.
79.24	On correct N. and S. line 24 lks. N. of cor. to Secs. 11, 12, 13, and 14. Thence, Down N 89° 50' W. on a true line bet Secs. 11 and 14 with same va.

Subdivisions T29 N. R. 30 W.

Chains	
39.62	Deposited Chained stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18×18×12 ins. E and W. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face.
79.24	The cor. to Secs. 10, 11, 14 and 15. Land – Hilly and rolling. Soil – 2d rate.
	North bet. Secs. 10 and 11 Va. 12° 50' E.
24.00	Commence ascending hill about 250 ft. high.
40.00	Top of hill. Deposited chained stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18×18×12 ins. N. and S. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high, 3½ ft. base over it. On

Subdivision T 29 N. R. 30 W.

Chains	
	N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. side descend
80.00	Deposited charred stake 12 ins. in the ground for cor. to Secs. 2, 3, 10 and 11 dug pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. Inv. S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 29 N. S. 2 on N.E. R 30 W. S. 11 on S.E. S 10 on S.W. and S 3 on N.W. faces with 2 notches on E. and 5 notches on S. edge
	Land — Hilly and broken Soil — 3d rate.

Subdivision T 29 N. R. 30 W.

Chains	
	East on a random line bet. Secs. 2 and 11 Va. 12° 20' E.
40.00	Set temporary 1/4 Sec. Cor.
79.62	Intersect N. and S. line 10 lks. N. of Cor. to Secs. 1, 2, 11 and 12 Thence I run N 89° 56' W. on a true line bet. Secs. 2 and 11 with same va.
39.81	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. Inv. E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.62	The cor. to Secs. 2, 3, 10 and 11 Land Hilly Soil — 3d rate.

Subdivisions T29N. R.30W.

Chains	
	North on a random line bet. Secs. 2 and 3, Va. 12° 50' E.
40.00	At temporary 1/4 Sec. Cor. in low rolling ground
82.38	Intersect north boundary of township at 52 lks. E. of Cor. to Secs. 2, 3, 34 and 35, a mound described at page 23
	Thence S 0° 22' E on a true line bet. Secs. 2 and 3 with Same Va
42.38	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor dug pits 18X18X12 ins. N. and S. of Cor 5 1/2 ft. dist. and raised a mound of earth over it. 1 1/2 ft. high 3 1/2 ft. base. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
82.38	The Cor. to Secs. 2, 3, 10 and 11, Land. Hilly and rolling Soil — 3rd rate.

Subdivisions T29N. R.30W.

Chains.	
	September 27, 1881.
	From the Standard Cor. to Secs. 33 and 34 on South boundary of the township a mound described at pages 4 and 5.
	Run North bet. Secs. 33 and 34 Va. 12° 25' E.
	In bluffs and on trail bears NE
14.00	Leave bluffs and enter valley bears SE.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5 1/2 ft. dist and raise mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face — Leave valley and enter low bluffs 20 to 80 ft. high

Subdivisions T29N. R. 30W.

Chains	
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs 27, 28, 33 and 34 dug pits 18X18 X12 ins. in each sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked T29N. S. 27 on N.E., R30W. S. 34 on S.E., S 33 on S.W. and S 28 on N.W. faces with 1 notch on S. and 3 notches on E. edge
	Land. In valley level - bluffs rolling. Soil -- valley 1st bluffs 2d and 3d rate.
	East on a random line bet. secs 27 and 34 Va. 12° 35' E.
40.00	Set temporary ¼ Sec. Cor.
45.00	Leave low bluffs and enter

Subdivisions T29N. R. 30W.

Chains.	
	valley bears S.E. and N.W.
55.00	Track bears N.E.
80.64	Intersect N. and S. line 10 lks. N. of Cor. to Secs. 26, 27, 34 and 35. Thence Down N 89° 56' W. on a true line bet. secs. 27 and 34 with Same Va.
40.32	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face.
80.64	The Cor. to Secs. 27, 28, 33 and 34 Land - valley level - bluffs rol=ling and broken. Soil - valley 2d rate - bluffs 3d rate.

Subdivisions T29N. R. 30W.

Chains	Chains	
		North bet. secs. 27 and 28 Va. 12° 35' E.
	31.00	Leave low bluffs enter low ground
40.00	38.00	South edge of swamp.
		at this point to avoid chaining
82.3		through swamp. I set flag on
		N. side of same in line - I
		then offset 10 chs. to the W.
		at right angles to line
		and find the angle made
		by offset line with line
		joining extremity of offset line
		and point aforesaid on N. side
		of swamp is 63° 30' giving
		by calculation the distance
		to point triangulated to
		20.06 chs. I go to this point
		and find the distance back
		to N. edge of swamp is 2.60
		chs. giving
82.3	55.46	North edge of swamp bears
		S. 70° E. as the 1/4 Sec. cor
		comes in the swamp at

Subdivisions T29N. R30W.

Chains.	
	20 lks N. from edge of swamp
	which is nearly 1½ miles in
	extent ESE. ~~and~~ at
55.66	Deposited Charred Stake 12
	ins. in the ground for 1/4 Sec.
	witness Cor. dug pits 18X18X
	12 ins. North S. of Cor. 5½ ft.
	dist and raised mound of
	earth 1½ ft. high 3½ ft. base
	over it. In N. pit drove stake
	2 ft. long 2 ins. square 12 ins.
	in the ground marked 1/4 S.
	W. C. on W. face
76.00	Leave low ground bearing S70°E.
	and enter low bluffs.
80.00	Deposited Charred stake 12
	ins. in the ground for Cor. to Secs
	21, 22, 27 and 28 dug pits 18
	X18X12 ins. in each sec. 5½ ft.
	dist. and raised mound of
	earth 2 ft. high 4½ ft. base
	over it. In S.E. pit drove
	stake 2 ft. long 2 ins. square 12

Chains	Chains	
Chai		ins. in the ground marked T29N. S. 22 on NE, R. 30 W. S. 27 on SE,
40.0		S 28 on SW. and S 21 on NW. faces with 3
82.3		notches on E. and 2 notches on S. edges Land. In low ground level-bluffs rolling and broken Soil—In low ground 1st rate = bluffs 2d and 3d rate.
		East on a random line bet. Secs. 22 and 27 Va. 12°35' E.
	40.00	Set temporary 1/4 Sec. Cor.
	69.50	Road bears S E.
	70.00	Trail bears S W.
	80.32	Intersect N. and S. line at Cor. to Secs. 22. 23. 26 and 27.
		Thence I run West on a true line bet. Secs. 22 and 27 with Same Var.

Chains.	
40.16	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.32	The Cor. to Secs. 21, 22, 27 and 28 Land—Gently rolling Soil—3d rate.
	North bet. Secs. 21 and 22. Va. 12° 45' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove a

Subdivisions T29 N. R.30 W.

Chains	Chains	
		Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
40.00	80.00	Deposited a charred Stake 12 ins. in the ground for Cor. to Secs. 15.16.21 and 22, dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T29 N. S. 15 on N.E., R30 W. S. 22 on S.E., S 21 on S.W. and S 16 on N.W. faces with 3 notches on each of E. and S. edges Land Rolling Soil - 3d rate
82.3		

Subdivisions T29 N. R.30 W.

Chains.	
	East on a random line bet. Secs. 15 and 22, Va. 14° 35' E.
30.00	Foot of bluffs bear N. Weber valley
40.00	Set temporary 1/4 Sec. Cor.
64.00	Road bears S.E. and N.W.
80.46	Intersect N. and S. line 12 lks. S. of Cor. to Secs. 14.15.22. and 23. Thence I run. S 89° 55' W. on a true line bet. Secs. 15 and 22 with same Va.
40.23	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.46	The Cor. to Secs. 15.16.21 and 22 Land. In valley bed - bluff rolling Soil - 2d and 3d rate.

Subdivisions T 29 N. R. 30 W

Chains	Chains	
		North bet. secs. 15 and 16 Va. 12° 35' E.
	10.00	Leave bluffs bearing N 70° W. and enter valley
40.00	40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit a Cor. stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face.
82.38	42.38	
	80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 9 10, 15 and 16. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit a Cor. a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 29 N. S. 10 on N.E.
	82.38	

Subdivisions T 29 N. R. 30 W.

Chains.	
	R 30 W. S. 15 on S.E. S 16 on S.W. and S 9 on N.W. faces with 3 notches on E. and 4 notches on S edge
	Land. In valley level - in bluffs rolling.
	Soil - In valley 1st rate - in bluffs 2d and 3d rate.
	From a random line East bet. Secs. 10 and 15. Va. 12° 35' E.
30.00	Road to N. Loupe bears S.E.
40.00	Set temporary 1/4 Sec. Cor.
80.36	Intersect N. and S. line 24 lks. N. of Cor. to Secs. 10, 11, 14 and 15
	Thence Drawn N. 89° 50' W. on a true line bet. Secs. 10 and 15 with Same Va.
40.18	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist and raised a

Subdivisions T 29 N. R. 30 W.

Chains	Chains	
		mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drive stake 2 ft. long 2 ins. square 12 ins. in the ground marked
40.00		¼ S. on N. face
82.3	80.36	The cor. to Secs. 9, 10, 15 and 16. Land – Gently rolling Soil – 1st and 2d rate
		North bet. Secs. 9 and 10 Va. 12° 45' E.
	34.00	From this point Swamp about 25 acres area bears N 70¾° W. about 30 chs dist also, Alkali pond about 3 acres in extent bears S 41° E. about 15 chs dist
42.3	40.00	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it.
82.3		

Subdivisions T 29 N. R. 30 W.

Chains	
	On N. pit drive stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 3, 4, 9 and 10 dug pits 18 X 18 X 12 ins. in each Sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. On S E. pit drive stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 29 N. S. 3 on N E. R 30 W. S. 10 on S E. S 9 on S W. and S 4 on N W. faces with 3 notches on E. and 5 notches on S. edge Land – S ½ level or gently rolling N ½ rolling and broken Soil – In valley 1st rate – in rolling ground 2d and 3d rate

Subdivisions T 29 N. R. 30 W.

Ch	Chains	
		East on a random line bet. secs. 3 and 10 Va, 12° 30' E.
4	20.50	Road course SE.
	30.00	Foot of bluffs bear N.
8	40.00	Set temporary 1/4 Sec. Cor.
	80.18	Intersect N. and S. line 40 lks N. of Cor. to Secs. 2, 3, 10 and 11 Thence I run N 89° 43' W. on a true line bet. Secs. 3 and 10 with Same Va,
	40.09	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor, dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
4		
82	80.18	The Cor. to Secs. 3. 4. 9 and 10 Land - valley level. bluffs hilly Soil - valley 1st rate bluffs 2nd and 3rd rate

Subdivisions T 29 N. R. 30 W.

Chains	
	North on a random line bet. Secs. 3 and 4 Va, 13° 00' E.
3.00	Enter valley bears E.
40.00	Set temporary 1/4 Sec. Cor.
49.00	Leave valley and enter bluffs bearing SW.
82.24	Intersect north boundary of the township at Cor. to Secs. 3. 4. 33 and 34 a mound described at page 24 Thence I run South on a true line bet. Secs 3 and 4 with Same Va,
42.24	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
82.24	The Cor. to Secs. 3. 4. 9 and 10 Land - In valley level

Ch	C	Chains	
			in bluffs hilly and broken soil – In valley 1st. rate in bluffs 2d and 3d rate. September 28th 1881.
4	2		
	3		
8	4		
	8		
	4		
4			
82	82		

Chains	
	From the Standard Cor. to Secs. 32 and 33 on the South boundary of the township a mound described at page 3
	I run
	North bet. Secs. 32 and 33. Va. 12° 35' E.
	In bluffs.
38.00	Leave bluffs bearing E. and enter valley
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. W. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In W. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins in the ground for Cor. to Secs. 28, 29, 32 and 33. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised mounds of earth

Subdivisions T29 N. R. 30 W.

Ch	C	Chains	
			2 ft. high 4½ ft. base over it. On S.E. pit above stake 2 ft. long 2 ins. Square 12 ins. in the ground marked.
4	2		
	3		T29 N. S. 28 on N.E.
8	4		R. 30 W. S. 33 on S.E.
	5		S 32 on S.W. and
			S 29 on N.W. faces with 1 notch on S. and 4 notches on E. edge
			Land. Bluffs hilly - valley level
	4		Soil - Bluffs 2d and 3d rate - in
4			valley 1st rate rich black loam
			East on a random line bet. Secs. 28 and 33.
			Va 12° 35' E.
		31.00	Leave valley and enter bluffs bearing S.E.
		40.00	Set temporary ¼ Sec. cor.
8	8	79.76	Intersect N. and S. line 10 lks. S. of cor. to Secs. 27. 28. 33 and 34
			Thence I run

Subdivisions T29 N. R. 30 W.

Chains	
	S 89° 56' W E. on a true line bet. Secs. 28 and 33 with Same va.
39.88.	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18 x 18 x 12 ins. E. and W. of cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. On E. pit above stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face.
79.76	The cor. to Secs. 28. 29. 32 and 33. Land - valley level - bluffs rolling and broken
	Soil - valley 1st rate - bluffs 2d and 3d rate
	North bet. Secs. 28 and 29.
	Va. 12° 35' E.
11.00	Enter bluffs bearing N.E.
29.00	Leave bluffs and enter valley bearing S.E.
40.00	Deposited Charred Stake 12 ins.

Chains	
	in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
43.00	Edge of swamp. bears SE, being continuation of swamp crossed by line bet. Secs. 27 and 28 here nearly dry and extends W about 7 chs.
58.00	Leave swamp. bears SE.
70.00	Enter bluffs bearing E.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 20, 21, 28 and 29. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove a stake 2 ft. long 2 ins. square

Chains	
	12 ins. in the ground marked T29 N. S. 21 on NE, R 30 W. S. 28 on SE, S 29 on SW. and S 20 on NW. faces with 2 notches on S. and 4 notches on E. edges
	Land. valley level - bluffs rolling and broken.
	Soil. valley 1st rate bluffs 2 and 3d rate.
	East on a random line bet. Secs. 21 and 28 Va. 12°. 35' E.
40.00	Set temporary 1/4 Sec. Cor.
80.24	Intersect N. and S. line 32 lks. N. of cor. to Secs. 21, 22, 27 and 28
	Thence runs N 89°. 46' W. on a true line bet. Secs. 21 and 28 with same Va.
40.12	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor.

Subdivisions T29N. R. 30W.

Chains	
	dug pits 18X18X12 ins. E. and W. of cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face
80.24	The cor. to Secs. 20, 21, 28 and 29. Land. Hilly and broken Soil — 3d and 4th rate.
	North bet. Secs. 20 and 21 Va. 12°. 35' E.
40.00	Deposited Charred Stake 12 ins. in the ground for ¼ sec. cor. dug pits 18X18X12 ins. N. and S of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
68.00	Foot of bluffs bear E. over valley

Subdivisions T29N. R. 30W.

Chains.	
80.00	Deposited Charred Stake 12 ins. in the ground for cor. to Secs. 16, 17, 20 and 21. dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove a stake 2 ft. long 2 ins Square 12 ins. in the ground marked T29N. S. 16 on NE. R. 30W. S. 21 on SE. S 20 on SW. and S 17 on NW. faces with 4 notches on E. and 3 notches on S. edges Land. In valley level. - bluffs hilly Soil - valley 1st rate - bluffs 2d rate
	East on a random line bet. Secs 16 and 21 Va. 12°. 35' E.
18.00	Commence ascending bluffs

Subdivisions T29N. R.30W.

Chains	
	bearing N.
40.00	Set temporary 1/4 Sec. cor.
79.92	In Erect N. and S. line 28 lks
	N. of cor. to Secs 15.16.21 and 22.
	Thence I run
	N 89.° 51' E. on a true line bet.
	Secs. 16 and 21 with Same va.
39.96	Deposited Charred Stake 12 ins.
	in the ground for 1/4 Sec. cor.
	dug pits 18 X 18 X 12 ins. E. and
	W. of cor. 5 1/2 ft. dist. and raised
	mound of earth 1 1/2 ft. high 3 1/2
	ft. base over it. In E. pit drove
	Stake 2 ft. long 2 ins Square 12
	ins. in the ground marked
	1/4 S on N. face
79.92	The cor. to Secs. 16, 17, 20 and 21
	Land - In valley level - bluffs
	hilly
	Soil - In valley 1st rate
	bluffs 2d and 3d rate

Subdivisions T29N. R.30W.

Chains.	
	North bet. Secs. 16 and 17
	va 1 2.° 35' E.
40.00	Deposited Charred Stake
	12 ins. in the ground for 1/4
	Sec. cor. dug pits 18 X 18 X 12 ins.
	N. and S. of cor. 5 1/2 ft. dist.
	and raised a mound of
	earth 1 1/2 ft. high 3 1/2 ft. base
	over it. In N. pit drove
	Stake 2 ft. long 2 ins Square
	12 ins. in the ground mark=
	=ed 1/4 S. on W. face
80.00	Deposited Charred Stake 12
	ins. in the ground for cor.
	to Secs. 8. 9. 16 and 17. dug pits
	18 X 18 X 12 ins. in each Sec. 5 1/2
	ft. dist and raised mound of
	earth 2 ft. high 4 1/2 ft. base
	over it. In SE. pit drove a
	Stake 2 ft. long 2 ins. Square
	12 ins. in the ground marked
	T29 N. S. 9 on NE.
	R30 W. S. 16 on SE.

Chains	
	S 17 on S W. and S 8 on N W. faces, with 4 notches on each of S. and E. edges Land - Level Soil - 1st rate
	East on a random line bet Secs. 9 and 16 Va. 12° 35' E.
40.00	Set temporary 1/4 Sec. Cor.
79.46	In chase N. and S. line 30 lks. N. of Cor. to Secs. 9, 10, 15 and 16 Thence I run N 89° 47' E. W. on a true line bet Secs. 9 and 16 with same va.
39.73.	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove a stake

Chains	
	2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
79.46	The Cor. to Secs. 8, 9, 16 and 17 Land - Level Soil - 1st rate - middle portion of line subject to overflow in wet seasons
	North bet. Secs. 8 and 9 Va 12° 45' E.
7.00	Enter bluffs bear N E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N and S. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited charred stake

Subdivisions T29 N. R.30 W

Chains	
	12 ins. in the ground for Cor. to Secs. 4. 5. 8 and 9. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T29 N. S. 4 on N.E. R. 30 W. S. 9 on S.E. S 8 on S.W. and S 5 on N.W. faces with 4 notches on E. edge and 5 notches on S. edge Land. Hilly Soil – 2d rate
	East on a random line bet. Secs. 4 and 9 Va. 1°. 35' E.
40.00	Set temporary ¼ Sec. Cor,
79.56	Intersect N. and S. line 16 lks. N. of Cor. to Secs. 3. 4. 9 and 10.

Subdivisions T29 N. R.30 W.

Chains	
	Thence Drum N 89°. 53'. W. on a true line bet. Secs. 4 and 9 with Same va.
39.78	Deposited charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist and raised mound of earth over it 1½ ft high 3½ ft. base In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face
79.56	The Cor. to Secs. 4. 5. 8 and 9. Land. Hilly Soil – 3d rate.
	North on a random line bet. Secs. 4 and 5 va. 13°. 10' E.
40.00	Set temporary ¼ Sec. Cor,
83.13	Intersect N. boundary of the Township at Cor. to Sec. 4. 5. 32 and 33 described at page 26.

Chains	
	Thence I run
	South on a true line bet Secs
	4 and 5 with same va.
43.13	Deposited Charred Stake
	12 ins. in the ground for
	1/4 Sec. Cor. dug pits 18X18
	X12 ins. N. and S. of Cor.
	5 1/2 ft. dist and raised a
	mound of earth 1 1/2 ft.
	high 3 1/2 ft. base over it
	In N. pit drove a stake
	2 ft. long 2 ins. Square 12
	ins. in the ground marked.
	1/4 S. on W. face
83.13	The Cor. to Secs. 4.5.8 and 9.
	Land. – Hilly
	Soil. – 3d rate.
	September 29th 1881.

Chains.	
	From the Standard Cor. to Secs. 31
	and 32 on South boundary of the
	township described at page
	2
	I run
	North bet. Secs. 31 and 32
	Va. 12°. 40' E.
	Through rolling ground
40.00	Deposited Charred Stake 12 ins
	in the ground for 1/4 Sec. Cor. dug
	pits 18X18X12 ins. N. and S. of Cor.
	5 1/2 ft. dist and raised mound of
	earth 1 1/2 ft. high 3 1/2 ft. base
	over it. In N. pit drove a
	stake 2 ft. long 2 ins square
	12 ins. in the ground marked
	1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins
	in the ground for Cor. to Secs.
	29. 30. 31 and 32 dug pits 18
	X18X12 ins. in each Sec. 5 1/2 ft.
	dist. and raised mound of
	earth 2 ft. high 4 1/2 ft. base

Subdivisions T 29 N. R. 30 W.

Chains	
	over it. In S.E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 29 N. S. 29 on N.E. R 30 W. S. 32 on S.E. S 31 on S.W. and S 30 on N.W. faces with 1 notch on S. and 5 notches E. edges
	Land.- Rolling
	Soil.- 3d rate.
	East on a random line bet Secs. 29 and 32. Va. 12° 40' E.
40.00	Set temporary 1/4 Sec. Cor.
60.00	Leave rolling ground and enter valley extending N.E. S.E and S.W.
80.12	Intersect N. and S. line 32 lks. S. of Cor. to Secs. 28. 29 32 and 33. Thence S. run

Subdivisions T 29 N. R. 30 W.

Chains	
	S 89° 46' W. on a true line bet. Secs. 29 and 32 with same va.
40.06	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.12	The Cor. to Secs. 29. 30. 31 and 32 Land. Rolling except in valley which is level - Soil - valley 1st rate - rolling ground 2d and 3d rate.
	West on a random line bet Secs. 30 and 31 Va. 12° 40' E.
2.00	Enter valley bears N.W.
40.00	Set temporary 1/4 Sec. Cor.

Subdivisions T29N. R30W.

Chains	
58.00	Leave valley enter bluffs bear N
80.84	Intersect West boundary of the township 30 lks. S. of Cor. to Secs. 25. 30. 31 and 36 described at page 12 survey of T29N. R. 31W.
	Thence I run S 89°47' E. on a true line bet. Secs. 30 and 31 with same va.
40.84	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth over it 1½ ft. high 3½ ft. base. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
80.84	The Cor. to Secs. 29. 30. 31 and 32 Land - Bluff on E. rolling and broken W. hilly - valley level inclined to the west Soil - valley, 1st rate - bluffs 2 and 3d rate

Subdivisions T29N. R30W.

Chains	
	North bet. Secs. 29 and 30. va. 12° 40' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 19. 20. 29 and 30. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T29N. S. 20 on N.E. R30W. S. 29 on S.E. S 30 on S.W. and.

Chains

S 19 m NW. faces with 2 notches on S. and 5 notches on E. edges
Land.-Hilly
Soil.-3d rate

East on a random line bet. Secs. 20 and 29
Va. 12° 40' E.

40.00 Set temporary 1/4 Sec. Cor.
80.16 Intersect N. and S. line 22 links S. of Cor. to Secs. 20, 21, 28 and 29.
Thence I run
S 89° 51' W. on a true line bet. Secs. 20 and 29 with Same va.
40.08 Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake

Chains.

2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.16 The Cor. to Secs. 19, 20, 29 and 30.
Land-Hilly and broken
Soil-3d rate.

West on a random line bet. Secs. 19 and 30
Va. 12° 30' E.

40.00 Set temporary 1/4 Sec. Cor.
82.66 Intersect west boundary of the township 14 lks. S. of the Cor. to Secs. 19, 24, 25 and 30. described at pages 13 and 14 Survey of T29N. R31W.
Thence I run
S 89° 54' E. on a true line bet. Secs. 19 and 30 with Same va.
42.66 Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5 1/2 ft. dist and raised

Chains	
	a mound of earth 1½ ft. high and 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face.
82.66	The Cor. to Secs. 19. 20. 29 and 30. Land.- Hilly and broken Soil.- 3d rate
	North bet. Secs. 19 and 20. Va. 12°. 40' E.
40.00	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins in the ground marked ¼ S. on W. face
80.00	Deposited Charred Stake 12

Chains.	
	ins. in the ground for Cor. to Secs 17, 18. 19 and 20. dug pits 18 X18X12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove a stake 2 ft. long 2 ins square 12 ins. in the ground marked T29N. S. 17 on NE. R30W. S. 20 on SE. S 19 on SW. and S 18 on NW. faces with 3. notches on S. and 5 notches on E. edges Land - This line runs through lengthwise in narrow valley slightly rolling. Soil - 2d rate.
	East on a random line bet. Secs. 17 and 20. Va. 12°. 40' E.
40.00	set temporary ¼ Sec. Cor.

Subdivision T29 N. R. 30 W.

Chains	
80.00	Intersect N. and S. line 18 lks. S. of Cor. to Secs. 16, 17, 20 and 21
	Thence I run
	S 89° 52' W. on a true line bet Secs. 17 and 20 with same va.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec Cor. dug pits 18 X 18 X 12 ins. E and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.00	The Cor. to Secs. 17, 18, 19 and 20.
	Land - Level,
	Soil - 1st rate
	West on a random line bet. Secs 18 and 19. va. 12° 30'
15.00	Enter bluffs bearing NW.
40.00	Set temporary 1/4 Sec. Cor.

Subdivision T29 N. R. 30 W.

Chains.	
82.10	Intersect west boundary of the township 18 lks. S. of Cor. to Secs. 13, 18, 19 and 24 described at pages 15 and 16 Survey of T29 N. R 31 W.
	Thence I run
	S 89° 52' E. on a true line bet. Secs. 18 and 19 with same va.
42.10	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
82.10	The Cor. to Secs. 17, 18, 19 and 20
	Land. - In valley level - in bluffs hilly
	Soil - In valley 1st rate. bluffs 2d and 3d rate.

Subdivisions T 29 N. R. 30 W.

Chains	
	North bet. secs. 17 and 18, Va. 12° 40' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins N and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. put drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
46.00	Enter bluffs bearing E.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 7, 8, 17 and 18 dug pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 29 N. S. 8 on NE. R 30 W. S. 17 on SE.

Subdivisions T 29 N. R. 30 W.

Chains	
	S 18 on SW. and S 7 on NW. faces with 4 notches on S. and 5 notches on E. edge. Land – Bluffs hilly – valley level – Soil – valley 1st rate – bluffs 2d and 3d rate.
	East on a random line bet. Secs 8 and 17. Va 12° 40' E.
13.00	Leave bluffs bearing W. enter valley
40.00	set temporary 1/4 Sec. Cor.
80.00	In Intersect N. and S. line 36 chs. S. of Cor. to Secs. 8, 9, 16 and 17
	Thence I run S 89° 45' W. on a true line bet. Secs. 8 and 17 with same Va.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins E. and W. of Cor. 5 1/2 ft. dist and

Subdivisions T29 N. R. 30 W.

Chains	
	raised mound of earth 1½ ft. high 3½ ft. base over it. In. E. pit drive stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
80.00	The cor. to Secs. 7, 8, 17 and 18 Land - In valley level - in bluffs hilly - Soil - In valley 1st. rate. in bluffs 2d and 3d rate. September 30th 1881.
	West on a random line bet. Secs. 7 and 18 Var. 12° 30' E.
40.00	Set temporary ¼ Sec. Cor.
82.60	Intersect west boundary of the township 54 lks. S. of cor. to Secs. 7, 12, 13 and 18. described at pages 17 and 18 survey of T29 N. R 31 W. Thence S 89

Subdivisions T29 N. R. 30 W.

Chains.	
	S 89° 37' E. on a true line bet. Secs. 7 and 18 with same Var.
42.60	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18 x 18 x 12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drive stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face
82.60	The cor. to Secs. 7, 8, 17 and 18 Land - Hilly Soil - 3d rate.

Subdivisions T29 N. R. 30 W.

Chains	
	North bet. Secs 7 and 8. Va. 12°. 45' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground for 1/4 Sec. Cor.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 5. 6. 7 and 8. dug pits 18X18X12 ins. in each Sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T29 N. S. 5 on N.E., R30W. S. 8 on S.E., S 7 on S.W. and S 6 on N.W. faces with 5 notches on each of S. and E. edges

Subdivisions T29 N. R. 30 W.

Chains.	
	Land - Hilly Soil - 3d rate
	East on a random line bet. Secs. 5 and 8. Va. 12°. 45' E.
13.00	Leave bluff bearing N.W. enter valley
32.00	Leave valley and enter bluff bearing S.
40.00	Set temporary 1/4 Sec. Cor.
79.96	Intersect N. and S. line 20 lks. S. of Cor. to Secs 4. 5. 8 and 9 Thence I run. S 89°. 51' W. on a true line bet. Secs. 5 and 8 with same Va.
39.98.	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in

Chains	
	the ground marked 1/4 S. on N. face.
79.96	The cor. to Secs. 5, 6, 7 and 8, Land - valley level - bluffs hilly Soil - valley 1st rate - bluffs 2 and 3d rate.
**	North on a random line bet. Secs. 5 and 6, Va. 13° 00' E.
9.00	Foot of bluffs bear W, enter Gordon valley
40.00	Set temporary 1/4 Sec. cor,
84.22	Intersect north boundary of Township 57 lks. E. of cor. to Secs. 5, 6, 31 and 32 described at pages 27 and 28. Thence Drew S 0° 24' E on a true line bet. Secs. 5 and 6 with Same va..
44.22	Deposited Charred State 12 ins. in the ground for 1/4 Sec. cor. dug pits 18 x 18 x 12

Water Weakly & Fuller

Chains	
	ins. N. and S. of cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
84.22	The cor. to Secs. 5, 6, 7 and 8. Land. valley level - bluffs rolling Soil - valley 1st rate - bluffs 2d rate.
**	West on a random line bet. Secs. 6 and 7. Va. 12° 15' E.
40.00	Set temporary 1/4 Sec. cor.
53.00	Leave bluffs bearing S W. and enter Gordon Creek valley
82.66	Intersect the west boundary of the township 58 lks. S. of cor. to Secs. 1, 6, 7 and 12. described at pages 19 and 20 Survey of T

Subdivisions T29N. R.30W.

Chains	
	29N. R31W.
	Thence Drawn
	S89°.35' E. on a true line bet,
	Secs. 6 and 7 with same va.
42.66	Deposited Charred Stake 12.
	ins. in the ground for 1/4 Sec.
	Cor. dug pits 18X18X12 ins.
	E. and W. of Cor. 5½ ft. dist, and
	raised mound of earth 1½ ft.
	high 3½ ft. base over it.
	In E. pit drove stake 2
	ft. long 2 ins. Square 12 ins.
	in the ground marked 1/4
	S. on N. face
82.66	The Cor. to Secs. 5, 6, 7 and 8.
	Land.-Bluffs rolling-valley
	level.
	Soil-valley 2d rate Sandy
	-bluffs 3d rate.
	October 1st. 1881.

Subdivisions T29N. R.30W.

Chains.

General Description

The surface of this township is composed of wide valleys of generally good loamy land separated by ranges of hills from 40 to 300 ft. high-the hills are sandy but generally covered with a fair growth of grass.

There is no timber or stone to be found in this town-ship and water only in swamps. in Secs. 9. 27 and 28. This water is only fit for stock but good soft water may be found at the edge of the valleys by digging from 6 to 10 ft.

There are no settlements or improvements of any kind

Thomas Graham
U. S. Deputy Surveyor.

Observations on Star
Polaris
Observed va. of compass
needle on lines established
by observations of Eastern
Elongations of Star Polaris.
The dates of evening of
observation are given though
the va. was not in all cases
noted until the following
morning, as follows

September 25th 1881

va. on observation line	11°40' E.
add. azimuth	1°49'
True va	13°29' E

September 30th 1881

va. on observation line	11°45' E
Add azimuth	1°49'
True va.	13°34' E

Subdivisions T29 N. R30 W.

October 1st. 1881

va. on observation line	11°45' E
add azimuth	1°49'
True va.	13°34' E

A List of the Names of the individuals employed by Thomas Graham, U. S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision lines and Re-Survey of exterior lines of Township No. 29 North of the Base line of Range No. 30 West of the 6th Principal Meridian

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

W. T. Richardson	Compassman,
George W. Lamson	Chainman,
Robt. B. Rutherford	Chainman,
	Chainman,
	Chainman,
George E. Richtmyer	Moundman,
John W. McMahan	Moundman,
Elmer E. Cox	Flagman,
	Flagman.

We hereby certify that we assisted Thomas Graham United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision lines and Resurvey of exterior lines of Township No. 29 North of the Base line of Range No. 30 West of the 6th Principal Meridian

in the 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 Nebraska and Iowa.

W. T. Richardson	Compassman,
G. W. Lamson	Chainman,
R. B. Rutherford	Chainman,
	Chainman,
	Chainman,
Geo. E. Richtmyer	Moundman,
John W. McMahan	Moundman,
Elmer E. Cox	Flagman,
	Flagman.

Subscribed in my presence and sworn to before me this 7th day of December 1881.

Daniel C. McKillip
Notary Public

I, Thomas Graham U. S. Deputy Surveyor, do solemnly swear that in pursuance of instructions received from Geo. S. Somette U. S. Surveyor General for Nebraska and Iowa, bearing date of the 14th day of June, 1881, 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 Nebraska and Iowa, the Surveying Manual, and the Laws of the United States, surveyed all those parts or portions of the Exterior and subdivision lines of Township No. 29 North of the Base Line of Range No. 30 West 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 United States Surveyor General for Nebraska and Iowa, 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 8th, 1846.

Thomas Graham
U. S. Deputy Surveyor.

Subscribed in my presence and sworn to before me this 1st day of February 1882.

Daniel C. McKillip
Notary Public

Surveyor General's Office
Plattsmouth Neb.
March 20th 1882

The foregoing field notes of the Resurvey of Exterior lines, & Survey of Subdivision lines of Township No. 29 North Range No. 30 W. of the Principal Meridian in the State of Nebraska, executed by Thomas Graham under his Contract 119, dated June 14th 1881. In the months Sept. & Oct. 1881 having been critically examined the necessary corrections and explanations made. The said field notes and the survey they describe are hereby approved.

Geo. S. Smith
Surveyor General.

Field Notes

Of the
Re-Survey of Exterior Lines
and
Survey of Sub-division Lines
of
Township No. 30 North
of the Base Line
of
Range No. 30 West
of the 6th Principal Meridian
in Nebraska
as Surveyed
by
Thomas Graham
U.S. Deputy Surveyor
under his Contract
No. 119
Dated June 14th 1881

Survey Commenced September 5th 1881
Survey Completed September 13th 1881.

Names and Duties of assistants

W. T. Richardson	Compassman
G. W. Lamson	Chainman
R. B. Rutherford	Chainman
Geo. E. Reichmyer	Moundman
John W. Merriam	Moundman
Elmer E. Levy	Flagman

For Preliminary oaths see pages 1 to 11 inclusive, Survey of T 30 N. R 31 W.

Town No 30 N. Range No 30 W

	20		19		17		16		14		13
6	101	5	80	4	65	3	50	2	37	1	10
100		99		79		64		49		36	
7	98	8	78	9	63	10	48	11	35	12	8
96		95		76		61		47		34	
18	93	17	75	16	60	15	46	14	32	13	6
92		91		73		59		45		31	
19	90	20	72	21	58	22	43	23	30	24	5
88		87		71		57		42		29	
30	86	29	70	28	55	27	41	26	28	25	3
85		83		68		53		40		26	
31	82	32	67	33	52	34	39	35	25	36	2

Exteriors T 30 N. R. 30 W.

Resurvey of East boundary of Township 30 N. of Range 30 W of 6th Principal meredian

Commencing at the Cor. to Town=ships 30 and 31 N. of Ranges 29 and 30 W. I run South on a blank line bet. secs. 1 and 6 va 1 2°, 40' E. and at 40 chs. find no 1/4 Sec. Cor. and continue on and at 41.35 chs find the old 1/4 sec. cor. nearly de=stroyed, at 80.00 chs. find no Sec. Cor. and at 81.65 chs. find the old sec. cor. to secs. 1, 6, 7 and 12. I continue my line south and finding the measurements wrong and many of the cors. nearly ob=literated, but the cor. to town=ships 29 and 30 Ranges 29 and 30 due south of the Starting Cor. I resurvey the said east boundary as follows

Exteriors T 30 N. R. 30 W.

Chains	
	Commencing at the cor. to townships 29 and 30 N. of Ranges 29 and 30 W. described at pages 18 and 19 survey of T 29 N. R. 30 W.
	Course North bet. secs. 31 and 36, Va. 12°. 40' E,
40.00	The old 1/4 Sec. cor. a mound and pits nearly destroyed but no State or similar mark I rebuild mound making it 1 1/2 ft. high 3 1/2 ft. base clean out pits N. and S. of cor. 5 1/2 ft. dist. making them 18 X 18 X 12 ins. and in N. pit drive stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	The old sec. cor. to Secs. 25, 30 31 and 36 a mound and pits nearly destroyed but no State or similar

Exteriors T 30 N. R 30 W.

Chains	
	mark. I clean out pits 5 1/2 ft. dist from cor. in each sec. making them 18 X 18 X 12 ins. rebuild mound making it 2 ft. high 4 1/2 ft. base and in S E. pit drive stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T 30 N. S. 30 on NE. R 29 W. S. 31 on SE. R 30 W. S. 36 on SW. and S 25. on NW. faces with 1 notch on S. and 5 notches on N. edge
	Land. Rolling Soil – 2d rate.
	North bet. secs. 25 and 30. Va. 12°. 40' E.
39.92	The old 1/4 Sec. cor. a mound and pits in poor condition. I rebuild mound making it 1 1/2 ft. high 3 1/2 ft. base clean

Exteriors T 30 N. R. 30 W.

Chains	
	out pits N. and S. of cor 5½ ft. dist. making them 18 X 18 X 12 ins. and in N. pit drove Stake 2 ft. long 2 ins Square 12 ins. in the ground marked 1/4 S. on W. face
80.06	The old cor. to Secs. 19. 24, 25 and 30 a mound and pits but no Stake or similar mark. I rebuilt mound making it 2 ft. high 4½ ft. base. clean out pits in each Sec. 5½ ft. dist from cor. making them 18 X 18 X 12 ins. and in SE pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 30 N. S. 19 on NE. R 29 W. S. 30 on SE. R 30 W. S 25 on SW. and S 24 on NW. faces. with 2 notches on S. and 4 notches on N edge

Exteriors T 30 N. R. 30 W.

Chains	
	Land — Rolling Soil — 2d rate.
	North bet. secs. 19 and 24 Va. 12° 40' E.
40.03	The old 1/4 Sec. cor. a mound and pits nearly obliterated. I rebuilt mound making it 1½ ft. high 3½ ft. base Clean out pits N. and S. of cor 5½ making them 18 X 18 X 12 ins. and in N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.10	The old cor. to Secs 13, 18, 19 and 24 a mound and pits in good condition but no Stake or similar mark. repair mound making it 2 ft. high 4½ ft. base clean out pits in each sec. 5½ ft. dist. making them 18 X 18 X 12 ins.

Chains

and in S.E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked.
T 30 N. S. 18 on N.E.
R 29 W. S. 19 on S.E.
R 30 W. S. 24 on S.W. and
S 13 on N.W. faces with 3 notches on each of N. and S. edges
Land — Rolling
Soil — 2d rate

North bet. Secs. 13 and 18.
Va. 12°. 40' E.

40.00 Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. North S. of Cor. 5 1/2 ft. dist and raise mound of earth over it 1 1/2 ft. high 3 1/2 ft. base In W. pit drove stake 2 ft. long 2 ins square 12 ins. in the ground marked 1/4 S. on W. side

140.48 The old 1/4 Sec. Cor. a

Chains.

mound and pits

80.00 Deposited charred stake 12 ins. in the ground for Cor. to Secs. 12, 13 dug pits 18 X 18 X 12 ins. in each Sec. 5 1/2 ft. dist. and raise mound of earth 2 ft. high 4 1/2 ft. base over it In S.E. pit drove stake 2 ft. long 2 ins square 12 ins. in the ground and having good reasons to believe that the township 29 N. of R 29 W. is subdivided This stake is marked
R 30 W. S. 13. on S.W. and
S 12 on N.W. with 4 notches on S. and 2 notches on N edges

81.04 The old Cor. a mound and pits. but no stake or similar marks — repair mound and pits and in S.E. pit drove a stake 2 ft. long 2 ins. square

Exteriors T30 N. R. 30 W.

Chains	
	12 ins. in the ground marked T30 N. S. 7 on N.E. and R29 W. S. 18 on S.E. faces Land – Rolling Soil – 2d rate.
	North bet. secs. 7 and 12 Va. 12° 40' E.
40.00	Deposited Chained Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 4 1/2 ft. base over it. In N. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face.
41.59	The old 1/4 Sec. Cor.
76.28	Gordon's Creek 12 lks. wide Course E.
80.00	Deposited Chained Stake 12 ins. in the ground for.

Exteriors T30 N. R. 30 W.

Chains	
	Cor. to Secs. 1. and 12 dug pits 18X18X12 ins. in each sec. 5 1/2 ft. dist and raised mound of earth 2 ft high 4 1/2 ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked R30 W. S 12 on S W. and S 1 on N W. faces with 1 notch on N and 5 notches on S edges.
81.31	The old Sec. Cor. a mound and pits in S.E. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T30 N S. 6 on N E. and R29 W. S 7 on S E. faces Land – Gently rolling or nearly level Soil – 1st rate – Sandy loam

Exteriors T 30 N. R. 30 W.

Chains	
	North bet. secs. 1 and 6. Va. 12.° 40' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
41.31	The old 1/4 Sec. Cor.
81.65	The old Cor. to townships 30 and 31 N. of Ranges 29 and 30 W. a mound about 1 foot high and 6 ft. base with pits 24 X 18 X 10 ins. N. E. S. and W. of Cor. 6 ft. dist. but no Stake or Similar marks.
	I rebuilt mound making it 2 1/2 ft. high 6 ft. base

Exteriors T 30 N. R. 30 W.

Chains.	
	Clean out pits making them 24 X 18 X 12 ins. and in E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 31 N S 31 on NE, R. 29 W. S 6 on SE. T 30 N S 1 on SW. and R 30 W. S 36 on NW. faces with 6 notches on each edge
	Land — S 1/2 hilly N 1/2 level
	Soil — S 1/2 2d and 3d rate — N 1/2 — 1st and 2d rate

Exteriors T 30 N. R 30 W.

Chains

Resurvey of North boundary of T 30 N. R. 30 W. of 6th Principal Meredian in Nebraska

From the cor. to townships 30 and 31 N. of Ranges 29 and 30 W. I run West on a blank line on the north boundary of Sec. 1 Va. 13° 28' E. at 40. chs. I find the 1/4 Sec. cor. to be S 4½° E 9.80. chs dist and at 80 chs. the Sec. cor. to be S 10¾° E 9.32 chs. dist. I continue this blank line West and intersect the West boundary of the township 100 lks. S. of cor. to townships 30 and 31 N of Ranges 30 and 31 W. Finding no portion of this north boundary in alignment and no subdivisions having been made on either side of it and it appearing necessary I resurvey the same as follows:

Exteriors T 30 N. R 30 W.

Chains.

Commencing at the cor. to townships 30 and 31 N. of Ranges 29 and 30 W. described at pages 10 and 11 on a true line I run West bet. Secs. 1 and 36. Va 13° 22' E.

40.00 Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E and W. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. I drove E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face. From this Cor. the old Cor. a mound and pits bears S 4½° E. 9.80 Chs. dist. Destroyed old 1/4 Sec. Cor.

80.00 Deposited Charred Stake 12 ins. in the ground for cor. to Secs. 1, 2, 35 and 36 dug pits 18 X 18 X 12 ins. in each Sec. 5½ ft. dist and

Exterior T30 N. R. 30 W.

Chains

raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit a cor stake 2 ft. long 2 ins. square 12 ins. in the ground marked
T 31 N. S 36 on N.E.,
R 30 W. S. 1 on S.E.,
T 30 N. S. 2 on S.W., and
S 35 on N.W. faces with 1 notch on E. and 5 notches on W. edges
From this Cor. the old Cor. a mound and pits bears S 10¾° E. 9.32 chs. dist. Destroyed old Cor.
Land - Hilly - Soil - 3rd rate.

West bet. secs. 2 and 35
Va. 13° 30' E.

40.00 Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit a cor stake 2 ft. long 2 ins.

Exterior T30 N. R. 30 W.

Chains.

Square 12 ins. in the ground marked 1/4 S. on N. face.
From this Cor. the old 1/4 Sec. Cor. a mound and pits bears S. 9° E 8.29 chs. dist - Destroyed old 1/4 Sec. Cor.

80.00 Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist, and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit a stake 2 ft. long 2 ins. square 12 ins. in the ground marked.
T 31 N. S. 35 on N.E.
R 30 W. S. 2 on S.E.
T 30 N. S. 3 on S.W. and
S 34 on N.W. faces with 2 notches on E. and 4 notches on W. edge. From this Cor. the old Sec. Cor. a mound and pits bears S 7° 40' E. 7.16 chs dist
Destroyed old Sec. Cor.

Exteriors T 30 N. R. 30 W.

Chains	
	Land. - Rolling Soil. - 2d rate
	West bet. secs. 3 and 34 Va. 13°39' E.
40.00	Deposited Charred Stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face. From this Cor. the old 1/4 Sec. Cor. a mound and pits bears S 4½ E. 6.97 chs. dist. Destroyed old 1/4 Sec. Cor.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 3. 4. 33 and 34 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised a mound of

Exteriors T 30 N. R. 30 W.

Chains.	
	earth 2 ft. high 4½ ft. base over it. On SE. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 31 N. S. 34 on NE. R 30 W. S. 3 on SE. T 30 N. S. 4 on SW. and S 33 on NW. faces with 3 notches on each E. and W. edge From this Cor. the old Sec. Cor. a mound and pits bears S 1¼° W. 4.69 chs. dist. Destroyed old Sec. Cor.
	Land - Rolling Soil. - 1st and 2d rate.
	West bet. Secs. 4 and 33 Va. 13°40' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft

Exteriors T30 N. R. 30 W.

Chains	
	high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S on N. face. From this Cor. the old ¼ Sec. Cor. a mound and pits bears S 4¾° W. 3.51 chs dist. Destroyed old ¼ Sec. Cor,
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 4. 5. 32 and 33. dug pits 18X18X12 ins. in each Sec, 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T31 N. S. 33. on NE, R30 W. S. 4 on SE, T30 N. S. 5 on SW. and S. 32 on N W. faces. with 4 notches on E. and 2 notches on W. edge

Exteriors T30 N. R. 30 W.

Chains	
	From this Cor. the old Sec. Cor. a mound and pits bears S 8½ W. 2.34 chs. dist. Destroyed old Sec. Cor, Land – Hilly and broken Soil – 3° and 4° rate.
	West bet. Secs. 5 and 32, Va. 13° 45' E.
40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face. From this Cor. the old ¼ Sec. Cor. a mound and pits bears S 9¼° W. 1.91 chs. Destroyed old ¼ Sec. Cor.
80.00.	Deposited Charred stake 12

Exteriors T 30 N. R. 30 W.

Chains	
	ins. in the ground for Cor. to Secs. 5. 6. 31 and 32 dug pits 18X18X12 ins. in each Sec 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 31 N. B. 32 on N.E. R 30 W. S. 5 on S.E. T 30 N. S. 6 on S.W. and S 31 on N.W. faces with 1 notch on W. and 5 notches on E. edges. From this Cor. the old Sec. Cor. a mound and pits bears S 10° W 1.38 chs. Destroyed old Sec. Cor. Land - Hilly Soil - 3d and 4th rate.
	West bet Secs. 6 and 31. Va. 13° 00' E.
15.00	Enter Snake Creek valley

Exteriors T 30 N. R. 30 W.

Chains.	
	bears N.E and S.W.
40.00	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face. Make diligent search but can find no trace of old ¼ Sec. Cor.
40.66	On Snake Creek - right bank - 217 lks. wide flows N 40 W.
43.40	Enter small grove of timber and commence steep ascent about 200 ft. high
47.80	Leave timber bearing from this N.E and S.E.
52.00	Top of bluff
81.32	The old Cor. to townships 30 and 31 N. of Ranges 30 and 31 W.

Exteriors T 30 N. R. 30 W.

Chains	
	31 W.

T 30 N. R. 30 W.

Chains.	
	Field Notes of the Survey of the Subdivision Lines of Township No. 30 North of the Base Line of Range No. 30 West of the 6th Principal Meredian in Nebraska
	As surveyed by Thomas Graham U. S. Deputy Surveyor
	under his contract No. 119 Dated June 14th 1881
	Survey Commenced September 5th 1881
	Survey Completed September 13th 1881

Names and duties of assistants

	Compassman
G. W. Lawson	Chainman
R. B. Rutherford	Chainman
Geo. E. Richtmyer	Mounduman
John W. Merriam	Mounduman
Elmer E. Lex	Flagman

For preleminary oath see pages 1 to 11 inclusive Survey of T 30. N. R. 31 W.

Index on page 0

Subdivision T 30 N. R 30 W.

Chains.	
	Survey commenced September 5th 1881 with a W. and L. E. Gurley's Railroad Compass.
	as I have retraced the East and South boundaries of this township I commence at once at the Cor. to Secs. 1, 2, 35 and 36 on the South boundary of the township a mound described at pages 21 and 22 Survey of T 29 N. R 30 W.
	Thence I run
	North bet. Secs. 35 and 36
	va. 12° 55' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor, dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground

Subdivisions T 30 N. R 30 W.

Chains.	
	marked 1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 25, 26, 35 and 36, dug pits 18X 18X12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T30N. S. 25 on NE, R30W. S. 36 on SE, S 35 on SW. and S 26 on NW. faces with 1 notch on each of S and E. edges
	Land.- Rolling
	Soil.- 2d and 3d rate
	East on a random line bet. Secs. 25 and 36 Va. 12°. 05' E.
	Enter valley bears NE.
39.50	Enter bluffs bear N.

Subdivisions T 30 N. R. 30 W.

Chains	
40.00	Set temporary 1/4 Sec. Cor.
80.08	Intersect the east boundary of township 42 lks N. of Cor. to Secs 25, 30, 31 and 36 a mound described at pages 2 and 3. Thence I run N 89°. 42' W. on a true line bet. Secs. 25 and 36 with Same Va.
40.04	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.08	The Cor. to Secs. 25, 26, 35 and 36
	Land. E½ rolling W½ broken
	Soil - 3d rate.

Subdivisions T30 N. R. 30 W.

Chains	
	North bet. Secs. 25 and 26 Va. 12°. 55'
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face.
62.00	Enter narrow valley Course S80°E
67.00	Enter bluffs Course S70°E.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 23. 24. 25 and 26. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raise a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit. drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T30 N. S. 24 on NE.

Subdivisions T30 N. R. 30 W.

Chains.	
	R 30 W. S. 25 on SE. S 26 on SW. and S 23 on NW. faces with 1 notch on E. and 2 notches on S. edge Land. Hilly Soil. – 3rd rate.
	East on a random line bet. Secs. 24 and 25 Va. 11°. 50' E.
40.00	Set temporary 1/4 Sec. Cor.
80.60	Intersect the east boundary of Township 62 lks. S of Cor. to 19. 24. 25 and 30 described at page 4 Thence Draw S89°. 33' W. on a true line bet. Secs. 24 and 25 with same Va.
40.30	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist and raised mound of

Subdivisions T 30 N. R 30 W.

Chains	
	earth over it 1½ ft. high 3½ ft. base. On E. pit drove stake 2 ft. long 2 ins square 12 ins. in the ground marked 1/4 S. on N. face
80.60	The cor. to Secs 23, 24, 25 and 26 Land – Rolling and broken Soil. – 3d rate.
	North bet. Secs. 23 and 24 va. 12° 45' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S on N. face
56.00	Enter narrow valley bearing S 85° E
61.00	Enter bluffs bear S 70° E.
80.00	Deposited Charred Stake 12

Subdivisions T 30 N. R. 30 W.

Chains.	
	ins in the ground for Cor. to Secs 13, 14, 23 and 24 dug pits 18 X 18 X 12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. On S E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 30 N. S. 13 on N E. R. 30 W. S 24 on S E. S 23 on S W. and S 14 on N W faces with 1 notch on E. and 3 notches on Sedge Land – Rolling Soil – 2d and 3d rate.
	East on random line bet. Secs. 13 and 24 va. 12° 20' E.
40.00	Set temporary 1/4 Sec. cor.
80.58	Intersect east boundary of town=ship 68 lks. S. of cor. to Secs. 13, 18, 19 and 24 described at

Chains

pages 5 and 6.
Thence I run
S 89° 31' W. on a true line bet.
Secs. 13 and 24 with Same va.
40.29 Deposited Charred Stake 12
ins. in the ground for 1/4 Sec,
Cor. dug pits 18 X 18 X 12 ins. E.
and W. of Cor. 5 1/2 ft. dist. and
raised a mound of earth 1 1/2 ft.
high 3 1/2 ft. base over it. In E.
pit drove stake 2 ft. long 2 ins.
Square 12 ins. in the ground
marked 1/4 S. on N. face
80.58 The cor. to Secs. 13.14.23 and 24
Land - Hilly and broken
Soil - 3d and 4th rate.

North bet. Secs. 13 and 14
Var 12° 45' E.
40.00 Deposited Charred Stake 12 ins
in the ground for 1/4 Sec. Cor.
dug pits 18 X 18 X 12 ins. N. and S.
of Cor. 5 1/2 ft. dist and raised a

Chains.

mound of earth over it. 1 1/2 ft.
high 3 1/2 ft. base In N. pit drove
Stake 2 ft. long 2 ins. Square 12
ins. in the ground marked 1/4
S. on W. face.
80.00 Deposited Charred Stake 12 ins.
in the ground for Cor. to Secs. 11, 12,
13 and 14 dug pits 18 X 18 X 12 ins.
in each Sec 5 1/2 ft. dist. and raised
mound of earth 2 ft. high 4 1/2
ft. base over it. In S.E. pit drove
Stake 2 ft. long 2 ins. Square 12
ins. in the ground marked.
T 30 N. S 12 on NE.
R 30 W. S. 13 on SE.
S 14 on SW. and
S 11 on NW. faces with 1
notch on E. and 4 notches on S.
edges
Land - Rolling
Soil - 2d rate.

Subdivisions T 30 N. R 30 W.

Chains	
	East on a random line bet. secs. 12 and 13 Va. 12° 40' E.
40.00	Set temporary 1/4 Sec. Cor.
80.30	Intersect the east boundary of the township 66 lks. S. of the Cor. to Secs. 7, 12, 13 and 18. described at page 7. Thence I run S 89° 32' W. on a true line bet. secs. 12 and 13. with Same Va.
40.15	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
80.30	The Cor. to Secs. 11, 12, 13 and 14 Land. – Rolling Soil. – 2d and 3d rate

Subdivisions T 30 N. R 30 W.

Chains.	
	North bet. Secs. 11 and 12 Va. 12° 45' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face.
45.88	Road bears S 85° E. in valley
56.66	Gordon Creek 7 lks. wide bears S 85° E. here a dry Sandy Channel
63.00	Leave valley and enter bluffs Course S 85° E.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 1, 2, 11 and 12 dug pits 18 x 18 x 12 ins. in each Sec 5 1/2 ft. dist. and raised a mound of earth over it 2 ft. high 4 1/2 ft.

Subdivisions T 30 N. R 30 W.

Chains	
	base Dn S.E. pit drove Stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 30 N. S. 1 on N.E. R 30 W. S. 12 on S.E. S 11 on S.W. faces and S 2 on N.W. faces with 1 notch on E. and 5 notches on Sedge Land – Rolling except in bluffs where it is hilly Soil – 2d and 3d rate. September 5th 1881.
	East on random line bet. Secs 1 and 12 Va. 13°. 00' E.
40.00	Set temporary 1/4 Sec. Cor.
80.22	Intersect east boundary of the township 55 lks. S. of Cor to Secs. 1, 6, 7 and 12 described at pages 8 and 9. Thence I run S 89°. 36' W. on a true line bet.

Subdivisions T 30 N. R 30 W.

Chains.	
	Secs. 1 and 12 with Same Va.
40.11	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. Dn E. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N face
80.22	The Cor. to Secs. 1, 2, 11 and 12. Land – Hilly Soil – 2d and 3d rate.
	North on a random line bet Secs 1 and 2 Va. 12°. 45' E.
40.00	Set temporary 1/4 Sec. Cor.
82.92	Intersect north boundary of the township 17 lks. W. of the Cor. to Secs. 1, 2, 35 and 36 described at page 13. Thence I run

Subdivisions T 30 N. R 30 W

Chains	
	S 0°. 07' W. on a true line bet. secs 1 and 2 with same va.
42.92	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it, In N. pit drove stake 2 ft. long 2 ins Square 12 ins. in the ground marked 1/4 S. on W. face
82.92	The Cor. to Secs. 1, 2, 11 and 12. Land:- Rolling Soil:- 2° rate.

Subdivisions T 30 N. R. 30 W.

Chains.	
	From the Cor. to Secs 2, 3, 34 and 35 on the South boundary of the township described at page 23. Survey of T 29 N. R 30 W.
	9 rens
	North bet. secs. 34 and 35 va. 12°. 55' E.
3.00	Leave rolling ground enter valley bears E.
15.00	Leave valley enter bluffs bearing S 85° E
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth over it 1½ ft. high 3½ ft. base. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs 26. 27. 34 and 35, dug pits 18X18X12 ins. in each sec. 5½ ft. dist and

Chains

raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked
T 30. N. S. 26 on N.E.
R 30 W. S. 35 on S.E.
S 34 on S.W. and
S 27 on N.W. faces with 1 notch on S. and 2 notches on E. edge.
Land – Bluffs rolling and broken valley level
Soil. valley 2° rate – bluffs 3 and 4 rate

East on a random line bet. secs. 26 and 35
Va. 12°. 00' E.

40.00	Set temporary ¼ Sec. cor.
80.12	Intersect N. and S. line 18 lks. S of cor. to secs. 25. 26. 35 and 36

Thence I run
S 89°. 52' W. on a true line bet. secs. 26 and 35 with same Va.

40.06	Deposited Charred stake 12 ins. in the ground for ¼ Sec. cor.

Chains.

dug pits 18×18×12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it, In E. pit drove stake 2 ft. long 2 ins. square 12 ins in the ground marked ¼ S. on N. face

80.12	The cor. to Secs. 26, 27, 34 and 35.

Land – Hilly and rolling
Soil. – 3° rate

North bet. Secs. 26 and 27
Va 12°. 50' E

30.00	Valley bears E.
40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. cor, dug pits 18×18×12 ins. N and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face
56.00	Enter bluffs bearing N 81° E
80.00	Deposited Charred stake 12

Subdivisions T30 N. R30 W.

Chains	
	ins. in the ground for Cor. to Secs. 22, 23, 26 and 27. dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. On S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T30N. S 23 on N.E., R30W. S 26 on S.E., S 27 on S.W. and S 22 on N.W. faces with 2 notches on each of Said E. edges Land - valley level - bluffs hilly Soil - valley 2° rate - bluffs 3° rate
	East on a random line bet. Secs. 23 and 26 Va. 12° 05' E.
35.00	along edge of valley bears E.
40.00	Set temporary ¼ Sec. Cor.
62.00	Enter bluffs bearing S 45° E.
79.64	Intersect N. and S. line 15 lks N. of Cor. to Secs. 23, 24, 25 and 26 Thence I run

Subdivisions T30 N. R30 W.

Chains	
	N 89° 54' W. on a true line bet. secs. 23 and 26 with Same va.
39.82	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face.
79.64	The Cor. to Secs. 22, 23, 26 and 27 Land - Hilly and rolling Soil - 3° rate
	North bet. Secs. 22 and 23, Va. 12° 50'
40.00	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 N and S. of Cor. 5½ ft dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On N. pit. drove stake

Subdivisions T 30 N. R 30 W.

Chains	
	2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 14, 15, 22 and 23. dug pits 18X18X12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. On S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T 30 N. S. 14 on N E, R 30 W. S. 23 on S E. S 22 on S W. and S 15 on N W. faces with 2 notches on E and 3 notches on S edge
	Land.— Hilly and rolling
	Soil.— 3d rate.

Subdivisions T 30 N. R 31 W.

Chains	
	East on a random line bet. secs. 14 and 23. Va. 12° 10' E.
31.00	Enter valley bears S.
40.00	Set temporary 1/4 Sec. Cor.
55.00	Enter low bluffs bear S 85° E.
79.70	Intersect N. and S. line 25 lks. N. of Cor. to Secs. 13, 14, 23 and 24
	Thence Drew N 89° 49' W. on a true line bet. Secs. 14 and 23 with Same Va.
39.85	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.70	The Cor. to Secs. 14, 15, 22 and 23
	Land - valley level - bluffs hilly and rolling
	Soil - valley 2d rate - bluffs 3d rate

Subdivisions T 30 N. R 30 W.

Chains	
	North bet. Secs. 14 and 15 Va. 12°. 50' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cr. dug pits 18 X 18 X 12 ins. N. and S. of Cr. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it; On N. pit drove stake 2 ft. long 2 ins. Square 12 ins in the ground marked 1/4 S. on W. face.
80.00	Deposited Charred stake 12 ins. in the ground for Cr. to Secs. 10, 11, 14 and 15 dug pits 18 X 18 X 12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. On SE. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 30 N. S. 11 on NE, R 30 W. S. 14 on SE, S 15 on SW. and S 10 on NW. faces with 2 notches on E and 4 notches on S. edge Land. Hilly

Subdivisions T 30 N. R 30 W.

Chains.	
	Soil — 3d and 4th rate.
	East on a sand ow line bet. Secs. 11 and 14 Va. 12°. 10' E.
40.00	Set temporary 1/4 Sec. Cr.
80.00	On Intersect N. and S. line 8 lks. S. of Cr. to Secs. 11, 12, 13 and 14 Thence I run S 89°. 57' W. on a true line bet. Secs. 11 and 14 with Same va.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cr. dug pits 18 X 18 X 12 ins. E. and W. of Cr. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it — On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.00	The Cr. to Secs. 10, 11, 14 and 15. Land. Hilly Soil - 3d and 4th rate September 7th 1881.

Subdivision T 30 N. R. 30 W.

Chains	
	North bet. secs. 10 and 11
	va. 12°. 55' E.
31.60	Road bears S 70° E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins in the ground marked 1/4 S. on W. face
72.00	Grass Creek here a dry sandy bed 8 lks. wide bears S E.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 2. 3. 10 and 11 dug pits 18 X18X12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 30 N. S. 2 on N E.

Subdivision T 30 N. R 30 W.

Chains.	
	R 30 W. S. 11 on S E
	S 10 on S W. and
	S 3 on N W. faces with 2 notches on E. and 5 notches on S edges
	Land - Rolling
	Soil - 1st and 2d rate.
	East on a random line bet.
	Sec. 2 and 11
	va. 12° 10' E.
40.00	set temporary 1/4 Sec. Cor.
80.14	Intersect N. and S. line 16 lks. S. of Cor. to Secs. 1, 2, 11 and 12
	Thence I run.
	S 89° 53' W. on a true line bet.
	Secs. 2 and 11 with same va.
40.07	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove a

Subdivisions T 30 N. R 30 W.

Chains	
	Stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
80.14	The cor. to Secs. 2, 3, 10 and 11. Land - Level to rolling Soil - 2d and 3d rate,
	North on a random line bet. Secs 2 and 3. Va. 12° 50' E.
40.00	Set temporary 1/4 Sec. cor.
80.91	Intersect north boundary of the township 52 lks. W. of the cor. to Secs. 2. 3. 34 and 35 de= =scribed at page 15; Thence I run S. 0. 22' W. on a true line bet. Secs 2 and 3 with same va.
46.91	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth

Subdivisions T 30 N. R 30 W.

Chains.	
	1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.91	The Cor. to Secs. 2. 3. 10 and 11. Land - Rolling Soil - 3d rate

Subdivisions T 30 N. R. 30 W.

Chains	
	From the Cor. to Secs. 3. 4. 33. and 34 on the South boundary of the Township described at pages 16 and 17.
	Scan
	North bet. Secs. 33 and 34 Va. 12°. 50' E.
23.00	Enter Gordon's Creek valley bears S 70° E. and N.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 27. 28. 33 and 34. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft.

Subdivisions T 30 N. R. 30 W.

Chains.	
	high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked: T 30 N. S. 27 on N.E. R 30 W. S 34 on S.E. S 33 on S.W. and S 28 on N.W. faces with 1 notch on S. and 3 notches on E. edges.
	Land. Valley level balance rolling.
	Soil - Valley 1st rate - balance 2d and 3d rate.
	East on a random line bet. Secs. 27 and 34. Va. 12°. 05' E.
15.25	Road bears S 10° E.
18.00	Enter bluffs bearing N. and S.
40.00	At temporary 1/4 Sec. Cor.
79.28	Intersect N. and S. line 10 lks. N. of Cor. to Secs. 26. 27. 34

Subdivisions T 30 N. R 30 W.

Chains	
	and 35
	Thence I run
	N 89° 56' W. on a true line bet.
	Secs. 27 and 34 with Same Va,
39.64	Deposited Charred Stake 12 ins
	in the ground for 1/4 Sec. Cor. dug
	pits 18 X 18 X 12 ins. E and W. of Cor.
	5 1/2 ft. dist. and raised a mound
	of earth 1 1/2 ft. high 3 1/2 ft. base
	over it. In E. pit drove stake
	2 ft. long 2 ins. Square 12 ins.
	in the ground marked 1/4 S.
	on N. face
79.28	The Cr. to Secs. 27. 28. 33 and 34
	Land - valley level, - balance
	hilly
	Soil — valley 2d rate - balance
	3d and 4th rate

Subdivisions T 30 N. R. 30 W.

Chains.	
	North bet Secs. 27 and 28
	Va. 13° 00' E.
1.30	Gordons Creek (dry here) 9 lks.
	wide bears N 50° E.
18.00	Foot of bluff bears pm here E and SW.
	ascend
33.00	Foot of bluff bear SE enter valley
40.00	Deposited Charred Stake 12 ins.
	in the ground for 1/4 Sec. Cor. dug
	pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2
	ft. dist and raised mound of
	earth 1 1/2 ft. high 4 1/2 ft. base
	over it. In N. pit drove stake
	2 ft. long 2 ins. Square 12 ins. in
	the ground marked 1/4 S. on W.
	face
50.00	Road bears S 10° E
54.25	Gordons Creek dry branch 10 lks
	wide bears SE
56.30	Gordons Creek dry branch 10 lks
	wide Course S. W.
77.40	Gordons Creek dry branch 10
	lks. wide Course S. E.

Subdivisions T30 N. R. 30 W.

Chains.	
80.00	Deposited Charred Stake 12 ins in the ground for Cor. to Secs 21, 22, 27 and 28. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T30 N. S. 22 on N.E., R30 W. S. 27 on S.E., S 28 on S.W. and S 21 on N.W. faces with 3 notches on E and 2 notches on S edge Land - Valley level - balance rolling Soil - valley 2° rate - balance 3° rate

Subdivisions T30 N. R 30 W.

Chains	
	East on a random line bet. Sec. 22 and 27 Va. 12°.05' E.
14.00	Enter bluffs bear S 10° E
40.00	Set temporary ¼ Sec. Cor.
79.70	Intersect N. and S. line 36 lks. N. of Cor. to Secs. 22, 23, 26 and 27
	Thence I run N 89° 45' W. on a true line bet. Secs. 22 and 27 with Same Va.
39.85	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
79.70	The Cor. to Secs. 21, 22, 27 and 28 Land - Hilly and rolling Soil - 2° and 3° rate.

Subdivisions T 30 N. R. 30 W.

Chains.	
	North bet. Secs. 21 and 22. Va. 12°. 55' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins in the ground marked 1/4 S. on N. face.
60.00	Enter bluffs bearing S 25° E.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 15 16, 21 and 22, dug pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist and raised mound of earth 2 ft. high 4 1/2 ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 30 N. S 15 on N.E., R 30 W. S 22 on S.E.

Subdivisions T 30 N. R. 30 W.

Chains.	
	S 21 on S.W. and S 16 on N.W. faces with 3 notches on each of E. and S edges. Land. - Rolling. Soil. - 2d and 3d rate.
	East on a random line bet. Secs. 15 and 22. Va 12°. 10' E.
40.00	Set temporary 1/4 Sec. Cor.
79.56	Intersect N. and S. line 40 lks. N. of Cor. to Secs. 14. 15. 22 and 23.
	Thence Drew N 89°. 43' W. on a true line bet. Secs. 15 and 22. with same Va.
39.78	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked

Subdivisions T30 N. R30 W.

Chains	
	1/4 S. on N. face
79.56	The cor. to Secs. 15.16.21 and 22. Land. Hilly and rolling Soil — 3d and 4th rate.
	North bet. Secs. 15 and 16 Va. 13°.00' E,
40.00	Deposited Charred State 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base. In N. pit drove State 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
74.60	enter valley of Gordon's Creek bears E.
80.00	Deposited charred State 12 ins. in the ground for Cor. to Secs. 9, 10, 15 and 16, dug pits 18X18X12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound

Subdivisions T30 N. R. 30 W.

Chains	
	of earth 2 ft. high 4 1/2 ft. base over it. In S.E. pit drove a State 2 ft. long 2 ins. Square 12 ins. in the ground marked — T30 N. S. 10 on NE, R30 W. S. 15 on SE, S16 on SW. and. S9 on NW. faces with 3 notches on E. and 4 notches on Sedge Land. — Rolling Soil. — 2d and 3d rate.
	East on a random line bet. Secs. 10 and 15 Va. 12°.10' E,
5.50	Gordon's Creek dry branch 10 lks wide Course SE
16.30	Gordon's Creek dry 10 lks wide Course N. enter bluffs bear N 20° E.
40.00	set temporary 1/4 Sec. Cor
79.28	Intersect N. and S. line 49 lks. N. of Cor. to Secs. 10, 11, 14

Subdivisions T 30 N. R. 30 W.

Chains	
	and 15.
	Thence I run
	N 89°. 39' W. on a true line bet.
	Secs. 16 and 15 with same va.
39.64	Deposited Charred stake 12
	ins. in the ground for 1/4 Sec.
	Cor. dug pits 18 X 18 X 12 ins. E
	and W. of Cor. 5½ ft. dist and
	raised mound of earth 1½ ft.
	high 3½ ft. base over it. In
	E. pit drove stake 2 ft. long
	2 ins. square 12 ins. in the
	ground marked 1/4 S. on
	W. face
79.28	The Cor. to Secs. 9, 10, 15 and 16.
	Land - Rolling
	Soil - 2d and 3d rate
	September 8th 1881.

Subdivisions T 30 N. R. 30 W.

Chains	
	North bet. Secs. 9 and 10
	Va. 13°. 10' E.
5.00	Gordon's Creek (dry) 10 lks wide Course S E
32.70	Road bears E
40.00	Deposited Charred stake 12 ins.
	in the ground for 1/4 Sec. Cor. dug
	pits 18 X 18 X 12 ins. N. and S. of Cor.
	5½ ft. dist. and raised a mound
	of earth 1½ ft. high 3½ ft. base
	over it. In N. pit drove stake
	2 ft. long 2 ins. square 12 ins.
	in the ground marked 1/4 S.
	on W. face
70.00	Enter bluffs bearing E.
80.00	Deposited Charred stake 12
	ins. in the ground for Cor. to Secs.
	3. 4. 9 and 10. dug pits 18 X 18 X
	12 ins. in each Sec. 5½ ft. dist
	and raised a mound of earth
	2 ft. high 4½ ft. base over it.
	In S E. pit drove stake 2 ft.
	long 2 ins. square 12 ins. in
	the ground marked

Chains	
	T 30 N. S 3 on NE, R 30 W. S 10 on SE, S 9 on SW. and S 4 on NW. faces with 3 notches on E. and 5 notches on S edge Land - S 1/2 level - N 1/2 rolling Soil - 2d and 3d rate
	East on a random line bet. Secs. 3 and 10, Va. 12. 15
40.00	Set temporary 1/4 Sec. Cor.
79.74	Intersect N. and S. line 8 lks. N. of Cor. to Secs 2, 3, 10 and 11
	Thence I run N 89°. 57' W. on a true line bet. Secs. 3 and 10, with Same Va.
39.87	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base

Chains.	
	over it On E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S, on N. face
79.74	The Cor. to Secs. 3. 4. 9 and 10. Land - Hilly Soil - 3d and 4th rate.
	North on a random line bet. Secs. 3 and 4 Va. 13°. 10' E.
40.00	Set temporary 1/4 Sec. Cor.
79.07	Intersect the north bound=ary of the township 34 lks. W. of the Cor. to Secs. 3. 4. 33 and 34
	Thence I run S 0°. 15' W. on a true line bet. Secs. 3 and 4 with Same Va.
39.07	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2

Subdivisions T30N. R30W.

Chains	
	ft. high 3½ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
79.07	The cor. to Secs. 3. 4. 9 and 10. Land. Hilly and rolling Soil – 2d and 3d rate.

Subdivisions T30N. R30W.

Chains	
	From the Cor. to Secs. 4. 5. 32 and 33 on the South boundary of the township described at page 18.
	I run
	North bet. Secs 32 and 33.
	Va. 13°05'
	In N face of bluffs bearing E.
5.00	Enter Gordon Creek valley bears E.
19.00	Gordon's Creek 8 lks. wide Course NE dry branch with occasional water holes.
34.00	Enter bluffs bear N 70° E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N and S. of Cr. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12

Chains	
	ins. in the ground for Cor. to Secs. 28. 29. 32 and 33. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it, In S E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 30 N. S, 28 on N E R 30 W. S, 33 on S E, S 32 on S W, and S 29 on N W. faces with 1 notch on S. and 4 notches on E. edge
	Land - In valley level - bluffs hilly
	Soil - valley 2d rate - bluffs 3d and 4th rate,
	East on a random line bet. Secs. 28 and 33. Va. 12°, 00' E
40.00	Set temporary ¼ Sec. Cor.

Chains	
54.50	Enter Gordon Creek valley course N 50° E.
77.60	Gordon's Creek 10 lks. wide bears N 50° E dry except water holes
79.54	Intersect N. and S. line 5 lks. N. of Cor. to Secs. 27. 28. 33 and 34. Thence I run N 89° 58' W. on a true line bet Secs. 28 and 33 with Same va.
39.77.	Deposited Charred Slate 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face
79.54	The Cor. to Secs. 28. 29. 32 and 33.
	Land - valley level. bluffs hilly
	Soil - valley 2d rate bluffs 3 and 4th rate -

Chains	
	North bet. Secs. 28 and 29 Va. 13°15' E.
40.00	Deposited Charred Stake 12 ins in the ground for 1/4 Sec Cor. dug pits 18X18X12 ins N. and S. of Cor 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 20. 21. 28 and 29. dug pits 18X18X12 ins. in each sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 30 N. S. 21 on NE.

Chains	
	R 30 W. S. 28 on SE. S 29 on SW. and S 20 on NW. faces with 4 notches on E. and 2 notches on Sedge Land. - Hilly Soil. - 3d rate.
	East on a random line bet. Secs. 21 and 28, Va. 12°00' E.
40.00	Set temporary 1/4 Sec. Cor.
63.00	Enter Gordon Creek valley bears N.
68.80	Road bears S.
70.50	Gordons Creek dry bears N.
79.64	Intersect N. and S. line 7 lks. S. of Cor. to Secs. 21. 22. 27 and 28. Thence Drew S 89°57' W. on a true line bet. Secs 21 and 28 with Same Va.
39.82	Deposited Charred Stake 12

Chains	
	ins in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of cor 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
79.64	The cor. to Secs. 20, 21, 28 and 29, Land-Rolling Soil - 2d and 3d rate.
	North bet. Secs. 20 and 21 Va. 13°. 15'
40.00	Deposited Charred State 12 ins. in the ground for 1/4 Sec. cor. dug pits 18X18X12 ins N. and S. of cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground

Chains.	
	marked 1/4 S. on W. face
80.00	Deposited charred State 12 ins. in the ground for Cor. to Secs. 16, 17, 20 and 21 dug pits 18X18X12 ins. in each Sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T30N. S. 16 on N.E. R. 30 W. S. 21 on S.E. S 20 on S.W. and S 17 on N.W. faces with 4 notches on E. and 3 notches on Sedge. Land. Hilly Soil. — 3d rate.
	East on a random line bet. Secs. 16 and 21 Va. 12°. 05' E.
15.00	Enter valley of Gordon's

Chains	
	Creek valley bears S 10° E.
32.60	Road bears S 15° E.
39.56	Gordon's Creek dry branch bears N 10° E.
40.00	Set temporary 1/4 Sec. Cor.
79.86	Intersect N. and S. line bet. S. of Cor. to Secs. 15, 16, 21 and 22
	Thence I run S 89° 57' W. on a true line bet. Secs. 16 and 21 with same Va.
39.93	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
79.86	The Cor. to Secs. 16, 17, 20 and 21
	Land - valley level - bluffs

Chains	
	rolling and hilly
	Soil valley 1st and 2d rate
	bluffs 3d rate.
	North bet. Secs. 16 and 17.
	Va. 13° 15' E.
	On rolling ground
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove Stake 2 ft. long 2 ins. Square 12 ins in the ground marked 1/4 S. on W. face
45.00	Enter Gordon Creek valley bears N. & N. W.
50.70	Road bears S 30° E.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 8, 9, 16 and 17 dug pits

Subdivisions T30N. R30W.

Chains	
	18x18x12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft high 4½ ft. base over it. On S.E. pit drove
39	Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T30 N. S. 9 on N.E. R30 W. S. 16 on S.E. S 17 on S.W. and S 8 on N.W. faces with 4 notches on E. and 4 notches on Sedge
	Land.- Valley level - balance rolling
	Soil - Valley 1st rate - balance 2d and 3d rate
	East on a random line bet. Secs. 9 and 16 Va. 12° 10' E.
40.00	Set temporary ¼ Sec. cor
73.20	Gordons Creek 10 lks wide here a dry sandy Channel

Subdivisions T30N. R30W.

Chains.	
	Course N 30° E.
79.98	Intersect the Va. and S. line 16 lks. S. of cor. to Secs. 9, 10, 15 and 16.
	Thence I run S 89°. 53' W. on a true line bet. Secs. 9 and 16 with Same va.
39.99	Deposited Chained stake 12 ins. in the ground for ¼ Sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face
79.98	The cor. to Secs. 8, 9, 16 and 17.
	Land: Level.
	Soil. - 1st and 2d rate.
	September 9th 1881.

Subdivisions T 30 N. R. 30 W.

Chains.	
	North bet. Secs. 8 and 9, Va. 13° 10' E.
7.60	Road bears E.
15.00	Enter Steep bluffs about 150 ft. high bear E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 4. 5. 8 and 9 dug pits 18 X 18 X 12 ins. in each Sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. In S E. pit drove stake 2 ft. long 2 ins.

Subdivisions T 30 N. R 30 W

Chains	
	Square 12 ins. in the ground marked T 30 N. S 4 on N E. R 30 W. S. 9 on S E. S 8 on S W. and S 5 on N W. faces with 4 notches on E. and 5 notches on Sedge
	Land - valley level - bluffs hilly and broken
	Soil - valley 1st and 2d rate bluffs 3d and 4th rate.
	East on a random line bet. Secs. 4 and 9, Va. 12° 15' E.
40.00	Set temporary 1/4 Sec. Cor.
80.16	Intersect N. and S. line 36 lks. N. of Cor. to Secs. 3. 4. 9 and 10
	Thence d run N 89° 45' W. on a true line bet. Secs 4 and 9 with same Va.
40.08	Deposited Charred Stake 12

Subdivisions T 30 N. R 30 W.

Chains	
	ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. & and W. of Cor 5 1/2 ft. dist and raised a mound of earth
39	1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.16	The cor. to Secs. 4, 5, 8 and 9. Land - Hilly and rolling Soil - 2d and 3d rate.
	North on a random line bet. Secs. 4 and 5 va. 13°. 10' E.
40.00	Set temporary 1/4 Sec. Cor.
75.82	Intersect north boundary of the township 50 lks W. of Cor. to Secs. 4, 5, 32 and 33. described at pages 18 and 19 Thence I run S 0°. 21' W. on a true line bet.

Subdivisions T 30 N. R 30 W.

Chains.	
	4 and 5 with Same va.
35.82	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
75.82	The cor. to Secs. 4, 5, 8 and 9. Land - Rolling Soil - 2d and 3d rate.

Subdivisions T 30 N. R 30 W.

Chains	
	From the Cor. to Secs. 5. 6. 31 and 32 on the South bound=ary of the township descri=bed at pages 27 and 28 Sur=vey of T 29 N. R 30 W.
39	Crossed
	North bet. secs 31 and 32 va. 13°. 15' E.
	In Gordon's Creek valley
9.00	Gordons Creek 9 lks. wide bears E. dry here excepting occasional pools of water
32.00	Enter bluffs bear S 30° W.
79. 40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits N. and S. of Cor 5½ ft. dist and raise mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake

Subdivisions T 30 N. R 30 W.

Chains.	
	12 ins. in the ground for Cor. to Secs. 29. 30. 31 and 32, dug pits 18 X 18 X 12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T 30 N. S. 29 on N E. R 30 W. S. 32 on S E. S 31 on S W. and S 30 on N W. faces with 1 notch on S. and 5 notches on E edges.
	Lands—Valley level—bluffs hilly
	Soil—valley 1st rate—bal=ance 2d and 3d rate.
	East on a random line bet. Secs. 29 and 32 va. 12°. 00' E.

Subdivisions T30 N. R30 W

Chains	
40.00	Set temporary 1/4 Sec. Cor.
80.44	Intersect N. and S. line 63 lks S. of Cor. to Secs. 28.29. 32 and 33.
	Thence I run S 89° 33' W. on a true line bet. Secs. 29 and 32 with same va.
40.22	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S on N. face
80.44	The Cor. to Secs. 29.30. 31 and 32 Land - Hilly and broken Soil - 3d and 4th rate.

Subdivisions T30 N. R30 W.

Chains.	
	West on a random line bet. Secs. 30 and 31 va. 12° 00' E.
40.00	Set temporary 1/4 Sec. Cor.
82.55	Intersect west boundary of the township 16 lks. S. of Cor. to Secs. 25. 30. 31 and 36 de=scribed at page 8 survey of T30 N. R. 31 W.
	Thence I run S 89° 53' E. on a true line bet. Secs. 30 and 31 with same va.
42.55	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised a mound of earth over it 1 1/2 ft. high 3 1/2 ft. base. In E. ~~pit~~ drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
82.55	The Cor. to Secs. 29.30. 31 and 32

Subdivisions T 30 N. R 30 W

Chains		
		Land – Hilly Soil – 3d rate
39.		North bet. Secs. 29 and 30, Va. 13. 15
	40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raise a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
		Enter valley bras E,
	80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 19, 20, 29 and 30. dug pits 18 X 18 X 12 ins. in each Sec 5 1/2 ft. dist and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S E.

Subdivisions T 30 N. R 30 W.

Chains		
		pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 30 N. S. 20 on NE. R 30 W. S. 29 on SE. S 30 on SW. and S 19 on NW. faces with 2 notches on S. and 5 notches on E. edge. Land. – Valley – balance hilly – Soil. – 3d rate
		East on a random line bet. Secs. 20 and 29, Va. 12° 10' E.
	40.00	Set temporary 1/4 Sec. Cor.
	50.00	Enter low bluffs bras NW.
	79.74	Intersect the N. and S. line at Cor. to Secs. 20, 21, 28 and 29.
		Thence Drum West on a true line bet. Secs. 20 and 29 with Same va.

Chains	
39.87	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 base over it, In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
79.74	The Cor. to Secs. 19. 20. 29 and 30 Land—Rolling and hilly Soil — 3d rate

West on a random line bet. Secs. 19 and 30. Va 12°. 00' E.

Chains	
40.00	Set temporary 1/4 Sec. cor.
[illegible]	Intersect the west boundary of the township 64 lks. S. of Cor. to Secs 19. 24. 25 and 30. Thence I run S 89° 33' E. on a true line

Chains.	
	for Secs. 19 and 30 with Same Va.
42.05	Deposited Charred Stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E and W. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
82.05	The Cor. to Secs. 19. 20. 29 and 30. Land — Level or slightly rolling Soil. — 2d rate.

Subdivisions T30 N. R. 30 W.

Cha	Chains.	
		North bet. Secs. 19 and 20
		Va. 13°20' E.
	14.00	Enter bluffs bear SE.
39.	40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
	72.00	Enter valley bearing E.
79.	80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 17, 18, 19 and 20. dug pits 18x18x12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T30 N. S 17 on NE. R 30 W. S. 20 on SE. S 19 on SW. and

Subdivisions T30 N. R. 30 W.

Chains	
	S 18 on NW. faces with 5 notches on E. and 3 notches on S edge Land. valley level-balance hilly. Soil.- valley 2d rate-balance 3d rate.
	East on a random line bet. Secs. 17 and 20.
	Va. 12°10' E.
40.00	Set. temporary 1/4 Sec. Cor.
79.76	Intersect N. and S. line 16 lks. S. of Cor. to Secs 16, 17, 20 and 21
	Thence Run S 89°53' W. on a true line bet. Secs. 17 and 20 with Same Va.
39.88	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug 18x18x12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit. drove stake 2 ft. long 2 ins. square 12 ins. in.

Subdivisions T 30 N. R 30 W.

Chains	
	the ground marked 1/4 S. on N face
79.76	The Cor. to Secs. 17, 18, 19 and 20, Land – Rolling Soil, – 2d and 3d rate September 10 th 1881
	West on a random line bet. Secs 18 and 19, Va. 11° 45' E.
40.00	Set temporary 1/4 Sec. Cor.
81.72	Intersect west boundary of the township 74 lks. S. of Cor. to Secs 13, 18, 19 and 24 described at page 18 Survey of T 30 N. R 31 W. Thence I run S 89° 28' E. on a true line bet. Secs. 18 and 19 with Same Va.
41.72	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised a

Subdivisions T 30 N. R 30 W.

Chains	
	mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
81.72	The Cor. to Secs 17, 18, 19 and 20, Land, – Rolling Soil, – 2d rate.
	North bet. secs. 17 and 18. Va. 13° 10' E.
12.00	Enter bluffs bear S 50° E.
40.00	Deposited Charred stake 12 in. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
78.40	Road Course S 80° E.
80.00	Deposited Charred Stake 12

Chains	
	ins. in the ground for Cor. to Secs. 7. 8. 17 and 18 dug pits 18 X 18 X 12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. On S.E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 30 N. S 8 on N.E., R 30 W. S. 17 on S.E., S 18 on S.W. and S 7 on N.W. faces with 5 notches on E. and 4 notches on S. edge
	Land. Rolling to hilly
	Soil — 2d 3d and 4th rate

Chains.	
	East on a random line bet. Sec. 8 and 17, Var. 12° 10' E.
18.00	Enter Gordon valley trav from here S.E. and E.
20.50	Road course N 85° E.
29.50	Road to N. Loupe River course S 15° E.
40.00	Set temporary 1/4 Sec. Cor.
79.46	Intersect N. and S. line 12 lks N. of Cor. to Secs. 8. 9. 16 and 17
	Thence I run N 89° 55' W. on a true line bet Secs. 8 and 17 with same Var.
39.73	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face

	Chains	
	79.46.	The cor. to Secs. 7, 8, 17 and 18. Land - valley level - balance rolling
7		Soil - valley 1st rate - balance 2d to 4 rate,
39.		West on a random line bet. Secs. 7 and 18, Va. 12° 00' E,
	39.70	Road course S 30° E. also base of bluffs enter Boardman's Creek valley
79.	40.00	Set temporary 1/4 Sec. cor,
	66.80	Boardman's Creek here a clear running stream 18 lks. wide, bordered in this vicinity with several splendid springs, flows N 75° E - Scattering cedar - with ash plum and willow brush along stream commence ascending steep bluff about 200 ft. high
	82.32	Top of bluff - Intersect

	Chains	
		the west boundary of the township 50 lks. S. of Cor. to Secs. 7, 12, 13 and 18, described at page survey of T 30 N. R. 31 W.
		Thence I run S 89° 39' E, on a true line bet. secs. 7 and 18 with same va,
	42.32	Deposited charred stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18 X 18 X 12 ins. E. and W. of cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 in. square 12 ins. in the ground marked 1/4 S. on N. face
	82.32	The cor to Secs. 7, 8, 17 and 18. Land - Rolling hilly and broken
		Soil - 2d to 4th rate
		Timber scattered cedar 1 ch with ash plum and willow under brush

Chains	
	North bet. Secs. 7 and 8, va. 13° 15' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist, and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 5, 6, 7 and 8. dug pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 30 N. S. 5 on NE. R 30 W. S. 8 on SE. S 7 on SW. and

Chains.	
	S 6 on NW. faces with 5 notches on each of S and E. edges. Land — Hilly Soil — 3d and 4th rate.
	East on a random line bet. Secs. 5 and 8, va. 12°, 10' E.
40.00	Set temporary 1/4 Sec. Cor.
79.38	Intersect N. and S. line 18 lks. S. of Cor. to Secs. 4, 5, 8 and 9. Thence I run S 89° 52' W. on a true line bet. Secs. 5 and 8 with Same va.
39.69	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face

Subdivisions T30 N. R 30 W

Chains	
79.38	The Cor. to Secs. 5, 6, 7 and 8. Land,- Hilly Soil,- 3d rate.
	West on a random line bet. Secs. 6 and 7 Va. 11°, 50' E,
40.00	Set temporary 1/4 Sec. Cor,
58.30	Wagon trail Course N.
81.67	Intersect west boundary of the township 61 lks. S. of Cor. to Secs 1, 6, 7 and 12 described at pages survey of T30 N. R 31 W.,
	Thence I run S 89° 34' E, on a true line bet, Secs. 6 and 7 with same va.
41.67	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins, E and W. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it.

Subdivisions T30 N. R 30 W.

Chains.	
	In E. pit. drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
81.67	The Cor. to Secs 5, 6, 7 and 8. Land- Hilly Soil- 2d and 3d rate.
	North on a random line bet. Secs. 5 and 6, Va. 13° 15' E,
40.00	Set temporary 1/4 Sec. Cor,
73.86	Intersect North boundary of the township 28 lks. E. of Cor. to Secs. 5, 6, 31 and 32, described at pages 19 and 20,
	Thence I run S 0° 12' E on a true line bet, Secs, 5 and 6 with same va
3.3.86	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth over it

Chains	
	1½ ft. high 3½ ft. base over it. In N pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S, on N. face
73.86	The Cor. to Secs. 5. 6. 7 and 8.
	Land - Rolling
	Soil - 2d and 3d rate.
	September 13th 1881.

Observations on Star

Polaris.

Observed Va. of Compass needle on lines established by observations of Eastern Elongation of Star Polaris.

The dates of evening of observation are given - and the Va. noted the next morning, as follows.

September 6th 1881

Va. on observation line	12° 05' E
add azimuth	1° 49'
	13° 54' E

September 8th 1881

Va. on observation line	12° 02' E
add. azimuth	1° 49'
	13° 51' E

September 12th 1881

Va. on observation line	12° 03' E
add azimuth	1° 49'
	13° 52' E

Subdivisions T 30 N. R 30 W.

General Description

This township has little variety of soil, being sandy loam in Gordons Creek valley of more or less fertility, and the ranges of hills on each side of the valley being more or less sandy

The whole township is pretty well covered with a fair growth of blue joint buffalo and bunch grass. Gordons Creek is a dry crooked channel with two or three waterholes in the SW. part of the township. a scanty growth of cedar with an insignificant growth - principally underbrush - of ash willow and plum is found on Boardman and Snake Creeks in the NW corner of the town=ship

Boardmans creek is a small clear stream here with some fine springs bordering it and

Subdivisions T 30 N. R 30 W.

Snake Creek is a swift running stream with her a sandy bottom with occa=sional quicksands

There are no settlements or improvements except a trappers or herders unoccupied shanty in sec. 7.

Thomas Graham
U.S. Deputy Surveyor

A List of the Names of the individuals employed by Thomas Graham, U. S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision lines and Re-survey of Exterior lines of Township No. 30 North of the Base Line of Range No. 30 West of the Sixth Principal Meredian in the State of Nebraska, showing the respective capacities in which they acted:

W. T. Richardson	Compassman,
George W. Lawson	Chainman,
Robt. B. Rutherford	Chainman,
	Chainman,
	Chainman,
George E. Richtmyer	Moundman,
John W. Merriam	Moundman,
Elmer E. Cox	Flagman,
	Flagman.

We hereby certify that we assisted Thomas Graham United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision lines and Resurvey of Exterior lines of Township No. 30 North of the Base Line of Range No. 30 West of the Sixth Principal Meredian in the 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 Nebraska and Iowa.

W. T. Richardson	Compassman,
G W Lawson	Chainman,
R. B. Rutherford	Chainman,
	Chainman,
	Chainman,
Geo E. Richtmyer	Moundman,
John W. Merriam	Moundman,
Elmer E. Cox	Flagman,
	Flagman.

Subscribed in my presence and sworn to before me this 17th day of December 1881

Daniel C. McKillip
Notary Public

I, Thomas Graham U. S. Deputy Surveyor, do solemnly swear that in pursuance of instructions received from Geo. S. Smith U. S. Surveyor General for Nebraska and Iowa, bearing date of the 14th day of June, 1881, 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 Nebraska and Iowa, the Surveying Manual, and the Laws of the United States, surveyed all those parts or portions of the Subdivision Lines and Resurvey of Exterior Lines of Township No. 30 North of the Base Line of Range No. 30 West of the 6th Principal Meredian 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 United States Surveyor General for Nebraska and Iowa, 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 8th, 1846.

Thomas Graham
U. S. Deputy Surveyor.

Subscribed in my presence and sworn to before me this 1st day of February, 1882

Daniel C. McKillip
Notary Public

Surv. Gen. Office
Plattsmouth Neb.
March 29th 1882

The foregoing field notes of the survey of subdivision lines and resurvey of exterior lines of Tp. 8 N 30 W. Range 8 West of the Principal base and Meridian in the State of Nebr. executed by Thomas Fowhand, under his contract No 119 dated June 14th 1881, in the month of September 1881, have been critically examined the necessary corrections and explanations made the said field notes and the survey they describe are hereby approved.

Geo. S. Smith
Surv. Gen.

Field Notes

Of the Survey of the

Subdivision Lines and
Re-survey of Exterior Lines
of
Township No. 31 North
of the Base Line
of
Range No. 30 West,
of the 6th Principal Meridian
in
Nebraska

as surveyed by

Thomas Graham
U. S. Deputy Surveyor

under his Contract
No. 119
Dated June 14th 1881.

Survey Commenced Oct. 18th 1881.
Survey completed Oct. 27th 1881

Names and duties of assistants

W. T. Richardson Compassman
G. W. Lamson Chainman
R. B. Rutherford Chainman
Geo. E. Richtmyer Mounduan
John W. Merrein Mounduan
Elmer E. Cook Flagman
For preliminary oaths see pages 1 to 11 inclusive survey of T 30 N. R 31 W.

Town No. 31 N. Range No. 30 W.

	33.		31		29		28		26		25
22	6	110	5	87	4	73.	3	60	2	48	1
	109		107		86		72		59		47
21	7	105	8	84	9	71	10	58	11	46	12
	104		103		83		70		57		45
19	18	102	17	82	16	68	15	56	14	44	13
	101		99		81		67		55		43
18	19	98	20	79	21	66	22	54	23	42	24
	97		96		78		65		53		41
17	30	94	29	77	28	64	27	52	26	39	25
	93		92		76		63		51		38
16	31	90	32	75	33	62	34	50	35	37	36

Exteriors T 31 N. R 30 W.

Chains

Resurvey of East boundary of Township 31 N. of Range 30 W. Commence at the Cor. to Townships 30 and 31 N. of Ranges 29 and 30 W. and from thence run North on a blank line on east boundary of Sec. 36, at 40. chs. search diligently but find no 1/4 Sec. Cor. and at 50 chs. find the Cor. to Secs 25, 30, 31 and 36 West 58 lks. dist. a mound but a few inches above the general surface with pits 18 X 18 ins. nearly filled up. in each Sec. 5½ ft. dist but no post state or similar mark.

I therefore continue north on a true line find the measurements improperly made and at 6 miles 1. 18 chs. find the cor. to townships 31 and 32 N R 29 and 30 W. East 2 78 lks dist. as T 31 N of R 29 W.

Chains	
	has been subdivided I do not change the align=ment of said east boundary and resurvey it as follows.
	Commencing at the cor. to Tps 30 and 31 N. of Ranges 29 and 30 W. described at pages 10 and 11 survey of T 30 N. R 30 W. I run
	North bet. secs. 31 and 36
	Va. 13° 00' E.
40.00	Can find no trace of old 1/4 Sec Cor. Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. W. and S. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. Dro N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
80.00.	The old cor. to Secs 25, 30, 31

Chains	
	and 36. Rebuilt old Cor. ma=king it 2 ft. high 4 1/2 ft. base dug out pits in each Sec. 5 1/2 ft. dist making them 18 X 18 X 12 ins. In S E pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked.
	T 31 N. S. 36 on N E.
	R 29 W. S. 31 on S E.
	R 30 W. S. 36 on S W. and
	S 25 on N W. faces with 1 notch on S. and 5 notches on N. edge
	Land – middle 1/3 hilly bal=ance level.
	Soil – middle 1/3, 2d to 4 rate balance 1st rate.
	North bet. secs. 25 and 30
	Va. 12° 42' E.
40.00	The old 1/4 Sec. Cor. a mound and pits but no stake –
	Rebuilt mound making

Exteriors T 31 N. R 30 W.

Chains	
	it 1½ ft. high 3½ ft. base and cleared out pits N and S. of Cor. 5½ ft. dist. making them 18 X 18 X 12 ins. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
80.08	The old Cor. to Secs 19. 24. 25 and 30 a mound and pits in poor condition and no stake or similar mark. Rebuild mound making it 2 ft. high 4½ ft. base Clean out pits in each sec. 5½ ft. dist. making them 18 X 18 X 12 ins. In S E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 31 N. S. 19 on N E. R 29 W. S. 30 on S E. R 30 W. S. 25 on S W. and S 24 on N W. faces with 2 notches on S. and 4 notches on N edge

Exteriors T 31 N. R 30 W

Chains	
	Land – S ¾ level or gently rolling balance hilly Soil – S ¾ 1st rate, balance 2d to 4th rate.
	North bet Secs 19 and 24 On 12° 42' E.
40.00	Found no trace of Old ¼ Sec. Cor. Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18 X 18 X 12 ins. N and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In N pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs 13 and 24 dug pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it.

Exteriors T 31 N. R 30 W.

Chains	
	In S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked R 30 W. S 24 on S W. and S 13 on N W. faces with 3 notches on each of N. and S edges
39	
80.40	The old Cor. to Secs. 18 and 19 a mound and pits - Repaired old Cor. and in S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 31 N. S 18 on N E. R 29 W. S 19 on S E. with 3 notches on each of N. and S. edges
	Land - Hilly
	Soil - 3d rate.
	North bet. Secs. 13 and 18 Va. 12°. 44' E
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec Cor. dug pits 18 X 18 X 12 ins.

Exteriors T 31 N. R 31 W.

Chains.	
	N and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
40.42	Deposited Charred stake 12 ins. in the ground for old 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N and S. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 12 and 13. dug pits 18 X 18 X 18 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base

Exteriors T 31 N. R. 30 W.

Chains	
	over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked R 30 W. S. 13 on S.W. and S 12 on N.W. faces with 2 notches on N. and 4 notches on S. edges
80.84	The old sec. cor a mound and pits which I repair and in S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 31 N. S. 7 on N.E. and R 29 W. S. 18 on S.E. faces with 2 notches on N. and 4 notches on S. edge Land – S½ Hilly-balance rolling Soil – 2d and 3d rate
	North bet. secs 7 and 12 Va. 12°, 40' E
40.00	Deposited Chaned stake 12

Exteriors T 31 N. R 30 W.

Chains.	
	ins. in the ground for ¼ Sec. Cor. dug pits 18×18×12 N and S. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face.
40.67	The old ¼ Sec. Cor a mound and pits which I rebuilt
80.00	Deposited Chaned stake 12 ins. in the ground for Cor. to Secs. 1 and 12 dug pits 18×18×12 ins. in each sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked R 30 W. S. 12 on S.W. and S 1 on N.W. faces with 1 notch on N and 5 notches on S edges
81.34	The old cor. to Secs. 1, 6, 7 and 12

Exteriors T31 N. R30 W.

Chains	
	a mound and pits but no State or similar mark. Re=built mound and cleaned out pits. In S.E. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T31 N. S. 6 on NE, and R29 W. S. 7 on S.E. faces with 1 notch on N. and 5 notches on S. edge.
	Land= Rolling
	Soil — 2d rate
	North bet. secs 1 and 6, Va. 12°. 53' E.
40.00	Deposited charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins Square 12 ins. in the ground marked 1/4

Exteriors T31 N. R30 W.

Chains	
	S on W. face
41.34	The old 1/4 Sec. Cor. which I repair and set stake in N. pit 2 ft. long 2 ins Square 12 ins. in the ground marked 1/4 S. on W. face
81.18	The old township Cor. to town=ships 31 and 32 N. of Ranges 29 and 30 W. a post 5 ft. long 4 ins. Square of ash with 6 notches on adjacent edges laying on mound 1 foot high 6 ft. base with pits 24 X 18 discernable N and S of Cor, filled up to within an inch or two of surface - I should mound making it 2½ ft. high 5 ft. base, dug pits 24 X 18 X 12 ins. N. S. E. and W. of Cor. lengthwise on each line. In E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T32 N. S. 31 on NE.

Exterior T 31 N. R. 30 W.

Chains

R 29 W. S. 6 on S E.
T 31 N, S 1 on S W. and
R 30 W. S. 36 on N W. faces
with 6 notches on each edge
Land. Rolling
Soil – S ½ 1st and 2d rate =
N ½ 2d & 4th rate

Exterior T 31 N. R. 30 W.

Chains.

Resurvey of West boundary of Township 31 N. of Range 30 W. of 6th Principal meridian in Nebraska

Commencing at the Cor. to Tps 30 and 31 N. of Ranges 30 and 31 W. described at page 13. survey of T 30 N. of R 31 W, I run North on a blank line on the west boundary of Sec. 31. at 40. chs. I diligently search but find no cor, and at 80 chs, search but find no cor. to Secs. 25, 30, 31 and 36 I continue north on blank line with same va. bearing 13° 35' E and at 5 miles and 79. chs find the cor. to townships 31 and 32 of Ranges 30 and 31 W. to be East 2.48 chs dist.

It appearing that the cors. on this line have been obliterated and that no subdivisions have

Chains	
	been made on either side of this township boundary I Resurvey the same as follows: Commencing at the Cor. to Tps. 30 and 31 N. of Ranges 30 and 31 West heretofore described I run
N. 0° 18' E	~~North~~ bet. Secs. 31 and 36 Va 13°, 17' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 25, 30 31 and 36 dug pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 1/2 ft. high 4 1/2 ft. base over it. On SE. pit

Chains	
	drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 31 N, S. 30 on NE, R 30 W. S. 31 on SE, R 31 W. S. 36 on SW. and S 25 on NW. faces. with 1 notch on S. and 5 notches on N. edge Land - Hilly Soil - 2d and 3d rate.
N. 0° 18' E	~~North~~ bet. secs 25 and 30, Va. 13°, 17' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 19

Chains	Chains	
		24, 25 and 30 dug pits 18x18x12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2½ ft. high 4½ ft. base over it. On SE. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked, T 31 N. S. 19 on NE, R 30 W. S. 30 on SE, R 31 W. S 25 on SW, and S 24 on NW faces with 2 notches on S. and 4 notches on N. edge. Land.— Rolling Soil.— 2d rate
No. 18		North bet. Secs 19 and 24, Va. 13° 17' E.
40.00		Deposited charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft.

Chains.	
	long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24 dug pits 18x18x12 ins. in each Secs 5½ ft. dist. and raised a mound of earth 2½ ft. high 4½ ft. base over it. On SE. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked, T 31 N. S. 18 on NE. R 30 W. S 19 on SE. R 31 W. S 24 on SW. and S 13 on NW. faces with 3 notches on each of N and S. edges Land — Rolling Soil — 2d and 3d rate.
No. 18	North bet. Secs. 13 and 18 Va. 13° 17' E.
40.00	Deposited charred stake 12 ins. in the ground for ¼ Sec. Cor.

Chains	
	dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18 dug pits 18X18X12 ins. in each sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. On S.E. pit drove Stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 31 N. S. 7 on NE, R 30 W. S 18 on SE, R 31 W. S. 13 on SW, and S 12 on NW. faces, with 2 notches on N. and 4 notches on S. edge Land Hilly and broken Soil.- 3rd and 4th rate

Chains	
No. 18 E	~~North~~ bet. sec. 7 and 12. Va. 13° 17' E.
40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12 dug pits 18X18X12 ins. in each sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. On S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 31 N. S. 6 on NE, R 30 W. S. 7 on SE, R 31 W. S 12 on SW. and S 1 on NW. faces with 1

Exteriors T 31 N. R 30 W.

Chains	
	notch on N. and 5 notches on S. edge Land, Hilly and broken Soil — 3d and 4th rate
N. 0° 18' E.	~~North~~ bet. secs. 1 and 6. Va. 13° 17' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 sec. cor. dug pits 18 x 18 x 12 ins. N. and S. of cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.00	The old cor. to townships 31 and 32 N. of Ranges 30 and 31 W. a mound and pits but no stake or similar mark Rebuilt mound making it 2 1/2 ft. high 5 ft. base. Clean out pits N. S. E. and W. of cor. 6 ft.

Exteriors T 31 N. R 30 W.

Chains.	
	dist. making them 24 x 18 x 12 ins. and in E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T 32 N. S. 31 on NE. R 30 W. S 6 on SE. T 31 N. S 1 on SW. and R 31 W. S. 36 on NW. faces with 6 notches on each edge Land. Hilly and broken Soil — 3d and 4th rate.

Exteriors T 31 N. R 30 W.

Chains	
	Resurvey of North Boundary of Township 31 N. of Range 30 W. Nebraska
	Before subdividing this township I commence at the Cor. to Tps. 31 and 32 N. of Ranges 30 and 31 W and run East on a blank line va 13° 30' E and at 40 chs find the 1/4 Sec. Cor. South 75 lks. dist. and at 80.40 chs. find the Cor. to Secs. 5, 6, 31 and 32 South 160. lks dist. continue East on true line va. 12° 20' E and at 6 miles and 67 lks. find the Cor. to Townships 31 and 32 N. of Ranges 29 and 30 West, North 17.16 chs. As no portion of this boundary is in alignment and no subdivisions have been made on either side of this north boundary I establish the Sec. Cors on said boundary and on a right line bet. said Township

Exteriors T 31 N. R 30 W

Chains	
	Cors. as follows. Commencing at the Cor. to Townships 31 and 32 N. of Ranges 29 and 30 W. described at pages 13 and 14 I run
S.57°58'	West bet. Secs 1 and 36 va 14° 23' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E and W. of Cor. 5½ ft. dist. and raise mound of earth 1½ ft. high 3½ ft. base over it. Dr. E. drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face From this Cor. the old cor. a mound and pits bears S 14° 30' E 14.92 chs. dist. Destroyed old 1/4 Sec. Cor.
80.00	Deposited Charred Stake for Cor. (12 ins in the ground) to Secs. 1, 2, 35 and 36, dug pits 18x18x12 ins. in

Chains

each sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. Dn S.E. pit drove Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked.
T 32 N. S 36 on NE,
R 30 W. S 1 on SE,
T 31 N. S. 2 on SW. and
S 35 on NW. faces with 1 notch on E. and 5 notches on W. face
From this Cor. the old sec. cor. a mound and pits bears S 15° 35' E. 13.80 chs. dist – Destroyed old sec. cor.
Land – Hilly
Soil – 3d and 4th rate.

58.75 8
S. 87° 58'

West bet. secs. 2 and 35
Va 14° 43' E

110.00 Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins E. and W. of Cor. 5½ ft. dist and raised a mound

Chains.

of earth 1½ ft. high 3½ ft. base over it. Dn E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
Make diligent search but find no trace of old 1/4 Sec. Cor.

80.00 Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35. dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raise mound of earth 2 ft. high 4½ ft. base over it. Dn S.E pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked
T 32 N. S. 35 on NE
R 30 W. S. 2 on SE,
T 31 N. S. 3 on SW. and
S 34 on NW. faces with 2 notches on E. and 4 notches on W edge
From this Cor. the old sec. cor a mound and pits bears S 19° 40' E

Exteriors T 31 N. R. 30 W.

Chains	
	12.70 chs. dist. Destroyed old Sec. Cor.
	Land – Hilly
	Soil – 3d and 4th rate.
	Timber a few scattered pines.
S 87° 58' W	West bet. secs 3 and 34
	20 L. 14° 23' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
E. 80.00	From this Cor. old 1/4 Sec. Cor. bears S 20° 50' E. 11.28 chs. dist. Destroyed old 1/4 Sec. Cor.
	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 3. 4. 33 and 34 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high

Exteriors T 31 N. R 30 W.

Chains	
	4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 32 N. S. 34 on N.E. R 30 W. S. 3 on S.E. T 31 N. S. 4 on S.W. and S 33 on N.W. faces with 3 notches on each E. and W. edge. From this Cor. the old Sec. Cor. a mound and pits bears S 20° 40' E. 9.80 chs. dist. Destroyed old Sec. Cor.
	Land – Rolling
	Soil – 2d and 3d rate.
S. 87° 58' W	West bet. Secs. 4 and 33.
	20 L. 14° 23' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit

Chains	
	drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face From this Cor. the old 1/4 Sec. cor. a mound and pits bears S27°50' E. 8.62 chs. dist. Destroyed old 1/4 Sec. Cor.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. On S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T32N. S. 33 on NE, R30W S 4 on SE, T31N. S. 5 on SW. and S32 on NW. faces with 4 notches on E. and 2 notches on W. edge From this Cor. the old sec. cor. a mound and pits bears S19°55' E. 5.72 chs. dist. Destroyed old sec. cor.

Chains	
	Land.- Rolling Soil.- 2d rate.
58.58	West bet. Secs. 5 and 32. Va 14. 23' E.
6.00	Brow of gorge descend about 250 ft. through scattered pine and cedar
12.00	Right bank Snake creek 130 lks wide flows N10°E.
20.00	Top of bluff about 200 ft. above level of snake creek. leave pine and cedar timber excepting and isolated tree occasionally
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18X18X12 ins. E. and W. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N.

Exterior T 31 N. R. 30 W.

Chains	
	face From this Cor. the old 1/4 Sec. Cor. a mound and pits brass. S 10° 30' E 3.65 chs. dist. Destroyed old 1/4 Sec. Cor.
80.00	Deposited Charred stake 12 ins in the ground for Cor. to Secs. 5, 6, 31 and 32 dug pits 18 X 18 X 12 ins. in each Sec, 5 1/2 ft. dist, and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. Also S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked, T 32 N. S. 32 on N E, R 30 W. S 5 on S E, T 31 N. S 6 on S W. and S 31 on N W. faces with 5 notches on E. and 1 notch on W. edge. From this Cor. the old Sec Cor. brass S 10° 15' E., 2.90 chs. dist. Destroyed old Sec. Cor,
	Land. Hilly

Exterior T 31 N. R. 30 W.

Chains.	
	Soil — 2 and 3d rate.
S.87.58	West bet. Secs. 6 and 31 Va. 14° 43' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor, dug pits 18 X 18 X 12 ins. E, and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face. From this Cor. the old 1/4 Sec. Cor. a mound and pits brass S 3° 10' W. 1.40 chs. dist. Destroyed old 1/4 Sec. Cor,
80.67	The old Cor. to Townships 31 and 32 N. of Ranges 30 and 31 W. described at pages 22 and 23
	Land. Hilly
	Soil — 2d to 4th rate.

Field Notes

of the Survey of the

Subdivision Lines

of

Township No. 31 North

of the Base Line

of

Range No. 30 West

of the 6th Principal Meridian

in

Nebraska

as surveyed by

Thomas Graham

U. S. Deputy Surveyor

under his contract

No. 119

Dated June 14th 1881

Survey commenced October 15th 1881

Survey Completed October 27th 1881.

Names and duties of assistants

— — —	Compassman
G. M. Lamson	Chainman
R. B. Rutherford	Chainman
Geo. E. Richtmyer	Mounduman
John W. Merriam	Mounduman
Elmer E. Leet	Flagman

For preliminary outline see pages 1 to 11 inclusive, Survey of T30 N. R31 W.

Index at page 2

Subdivisions T31 N. R. 30 W.

Chains

as I have already retraced the East and South boundaries of this township I commence at once to subdivide at Cor. to Secs. 1, 2, 35 and 36 Survey commenced October 15th 1881 with a Ward L. E. Gurley's Railroad Compass.

I commence at the Cor. to secs. 1, 2, 35 and 36 on the South boundary of the Township described at page 13 Survey of T30 N. R30 W. and from thence I run

North bet. secs. 35 and 36 Va, 13°. 00' E.

40.00 Deposited charred slate 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raise mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drive stake 2 ft. long 2 ins. square 12 ins. in

Subdivisions T31N. R30W.

Chains	
	the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 25. 26. 35 and 36 dug pits 18x18x12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit arrow a stake 2 ft. long 2 ins. square 12 ins. in the ground marked, T31N. S. 25 on NE, R30W. S. 36 on SE, S 35 on SW. and S 26 on NW. faces with 1 notch on E. and 1 notch on Sedge
	Land. Hilly
	Soil – 3d rate.
	East on a random line bet. Secs. 25 and 36 Va. 13° 30' E.
40.00	Set temporary 1/4 Sec. Cor.
79.56	Intersected N. and S. line 32 lks.

Subdivisions T31N. R30W.

Chains	
	S. of Cor. to Secs. 25. 30. 31 and 36, described at pages 4 and 5 Thence S. run S 89° 46' W. on a true line bet. secs. 25 and 36 with same va.
39.78	Deposited Charred stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit arrow stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
79.56	The Cor. to Secs. 25. 26. 35 and 36
	Land – Rolling
	Soil. – 2d rate
	North bet. Secs. 25 and 26 Va 12° 55' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N and S of Cor 5½ ft. dist. and raised a mound

Subdivisions T31 N. R. 30 W.

Chains	
	of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 23. 24. 25 and 26. dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. On S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T31 N. S. 24 on NE, R30 W. S. 25 on SE, S. 26 on SW. and S. 23 on NW. faces with 1 notch on E. and 2 notches on Sedge –
	Land – Rolling
	Soil – 2d rate

Subdivisions T31 N. R30 W

Chains.	
	East on a random line bet. Secs. 24 and 25 – Va. 13°. 40' E.
40.00	Set temporary ¼ Sec. cor,
79.82	Intersect N. and S. line 48 lks. S. of Cor. to Secs. 19. 24. 25 and 30 described at page 6. Thence I run S 89°. 39' W. on a true line bet. Secs. 24 and 25 with same Va.
39.91	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
79.82	The Cor. to Secs 23. 24. 25 and 26 Land. E½ Hilly. W½ rolling Soil – 2d and 3d rate.

Subdivisions T31 N. R30 W

Chains	
	North bet. Secs. 23 and 24 Va. 12° 50' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. dist over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 13. 14. 23 and 24 dug pits 18x18x12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T31 N. S. 13. on N.E. R30 W. S 24 on S.E. S 23 on S.W. and

Subdivisions T31 N. R30 W

Chains.	
	314 on N.W. faces. with 1 notch on E. and 3 notches on S. edge Land - Rolling Soil - 2d rate
	East on a random line bet. Secs. 13 and 24 Va. 13° 50' E.
40.00	Set temporary 1/4 Sec. Cor.
79.90	Intersect east boundary of the township 10 lks. S. of Cor. to Secs 13 and 24 described on page 7
	Thence S. run S 89° 56' W. on a true line bet. Secs. 13 and 24 with Same Va.
39.95	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face

Chains	
79.90	The cor. to Secs. 13.14.23 and 24 Land — Rolling Soil — 2d rate October 15th 1881
	North bet. secs. 13 and 14 Va. 12° 45'
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it, In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 11, 12, 13, and 14 dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist and raised mound of earth 2 ft. high 4 1/2 ft. base over it, In S.E. pit drove stake 2 ft.

Chains.	
	long 2 ins. square 12 ins. in the ground marked. T31N. S. 12 on NE. R30W. S. 13 on SE. S 14 on SW. and S 11 on NW. faces with 1 notch on E. and 4 notches on S. edge. Land — Rolling — Soil — 1st and 2d rate.
	East on a random line bet. Secs. 12 and 13. 13° 57' E
40.00	Set temporary 1/4 Sec. Cor
79.52	Intersected the last boundary of the township 20 lks. S. of Cor. to Secs. 12 and 13 described at page 9.
	Thence I run S 89° 57' W. on a true line bet. Secs. 12 and 13 with same var.
39.76	Deposited Charred stake 12 ins in the ground for 1/4 Sec. Cor. dug

Subdivisions T 31 N. R 30 W.

Chains	
	pits 18x18x12 ins. E and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
79.52	The Cor. to Secs 11, 12, 13 and 14. Land - Rolling Soil - 1st and 2d rate
	North bet. Secs. 11 and 12 Va. 12°. 50' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. W and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In W. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs.

Subdivisions T 31 N. R 30 W.

Chains.	
	1, 2, 11 and 12 dug pits 18x18x12 ins in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins square 12 ins. in the ground marked T 31 N. S 1 on N.E. R 30 W. S. 12 on S.E. S 11 on S.W. and S 2 on N.W. faces with 1 notch on E. and 5 notches on S. edge Land. - Rolling and broken Soil. - 3d rate.
	East on a random line bet. Secs. 1 and 12 Va. 13°. 50' E.
40.00	Set temporary 1/4 Sec. Cor.
79.48	Intersect east boundary of the Township 54 lks. S. of Cor. to Secs 1 and 12 described at page 11 Thence Drew S 89°. 37' W. on a true line bet.

Subdivisions T 31 N. R 30 W.

Chains	
	Secs. 1 and 12 with same va
39.74	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18×18×12 ins. E. and W. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
79.48	The cor. to Secs. 1, 2, 11 and 12 Land— Rolling Soil.— 2d and 3d rate October 17th 1881
	North on a random line bet. Secs. 1 and 2 va. 13.00
40.00	Set temporary 1/4 Sec. Cor.
80.90	Intersect north boundary of the township 50 lks E. of cor. to Secs. 1, 2, 35 and 36 described at page 25

Subdivisions T 31 N. R 30 W

Chains.	
	Thence S 0 21' E. on a true line bet. Secs. 1 and 2 with same va.
40.90	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18×18×12 ins. N and S. of Cor. 6½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.90	The cor. to Secs. 1, 2, 11 and 12 Land— Hilly Soil.— 3d and 4th rate October 18th. 1881.

Subdivisions T 31 N. R 30 W.

Chains	
	From the cor. to Secs. 2. 3. 34 and 35 described at page 15 Survey of T 30 N. R 30 W. on the South boundary of the township
8	I run
	North bet. secs 34 and 35
	va. 13.° 20' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 26, 27, 34 and 35. dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. On S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked

Subdivisions T 31 N. R 30 W.

Chains	
	T 31 N. S 26 on NE.
	R 30 W. S 35 on SE.
	S 34 on SW. and
	S 27 on NW. faces with 2 notches on E. and 1 notch on S edge
	Land – S 1/2 Rolling. N 1/2 broken.
	Soil – S 1/2 1st rate. balance 2d & 4th rate
	East on a random line bet. secs. 26 and 35
	va. 13.° 35' E.
40.00	Set temporary 1/4 Sec. Cor.
80.22	Intersect N. and S. line 12 lks. S. of Cor. to Secs. 25, 26, 35 and 36.
	Thence I run
	S 89.° 55' W. on a true line bet. Secs. 26 and 35 with same va.
40.11	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On E. pit drove stake 2 ft. long 2 ins.

Subdivisions T 31 N. R 30 W

Chains	
	Square 12 ins. in the ground marked 1/4 S. on N. face
80.22	The cor. to Secs. 26. 27. 34 and 35 —
	Land. — Rolling
	Soil. — 3d rate, October 17th 1881.
	North bet. Secs. 26 and 27 Va. 13°. 10' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 22, 23, 26 and 27. dug pits 18 X 18 X 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it.

Subdivisions T 31 N. R 30 W.

Chains.	
	In S E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 31 N. S. 23 on N E. R 30 W. S. 26 on S E. S 27 on S W. and S 22 on N W. faces with 2 notches on each of S and E. edges
	Land. — Hilly
	Soil. — 2d rate.
	East on a random line bet. Secs. 23 and 26 Va 13° 40' E.
40.00	Set temporary 1/4 Sec. Cor.
80.10	Intersect N. and S. line at Cor. to Secs. 23. 24. 25 and 26.
	Thence I run West on a true line bet. Secs. 23 and 26 with Same Va.
40.05	Deposited Charred Stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E and W. of Cor.

Subdivisions T 31 N. R 30 W.

Chains	
	5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
80.10	The cor. to Secs 22. 23. 26 and 27
	Land – Rolling
	Soil – 3d rate.
	North bet. Secs. 22 and 23.
	Va. 13°. 05' E.
40.00	Deposited charred stake 12 ins. in the ground for ¼ Sec. cor. dug pits 18 X 18 X 12 ins. N. and S. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited charred stake 12 ins. in the ground for cor. to Secs. 14, 15. 22 and 23. dug pits 18 X 18 X 12 ins. in each Sec. 5½ ft. dist.

Subdivisions T 31 N. R 30 W.

Chains.	
	and raised a mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked.
	T 31 N. S 14 on N E.
	R. 30 W. S. 23 on S E.
	S 22 on S W. and
	S 15 on N W. faces with 2 notches on E. and 3 notches on S. edge
	Land – Rolling
	Soil – 2d rate.
	East on a random line bet. Secs. 14 and 23.
	Va. 13°. 45' E.
40.00	Set temporary ¼ Sec. cor.
80.14	Intersect N. and S. line 26 lks N. of cor. to Secs. 13. 14. 23 and 24
	Thence Drew
	N 89°. 49' W. on a true line bet. Secs. 14 and 23 with Same Va.

Chains	
40.07	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.14	The Cor. to Secs. 14. 15. 22 and 23. Land — Rolling Soil. — 3d rate

North bet. Secs. 14 and 15 Va. 13°.00' E.

Chains	
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove Stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S on W. face

Chains.	
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 10. 11. 14 and 15. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. In N.E. S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T31 N. S. 11 on N.E. R30 W. S. 14 on S.E. S 15 on S.W. and — S 10 on N.W. faces with 2 notches on E. and 4 notches on S face Land — 1/2 Rolling balance hilly Soil — 2d to 3d rate

East on a random line bet. Secs. 11 and 14 Va. 13°.45' E.

Chains	
40.00	Set temporary 1/4 Sec. Cor.
80.40	Intersect N. and S. line 30 lks.

Subdivisions T 31 N. R 30 W.

Chains	
	N. of Cor. to Secs. 11, 12, 13 and 14 Thence Down N 89° 47' W. on a true line bet. Secs. 11 and 14 with Same Va,
40.20	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.40	The Cor. to Secs. 10, 11, 14 and 15 Land - Hilly Soil - 3d rate
	North bet. Secs. 10 and 11 Va. 13° 00' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it.

Subdivisions T 31 N. R 30 W.

Chains.	
	In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face.
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 2, 3, 10 and 11 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 31 N. S. 2 on N.E. R 30 W. S. 11 on S.E. S 10 on S.W. and S 3 on N.W. faces with 2 notches on E. and 5 notches on S. edge Land - Hilly Soil - 3d rate
	East on a random line bet. Secs. 2 and 11 Va. 13° 45' E.
40.00	Set temporary 1/4 Sec. Cor.

Subdivisions T 31 N. R 30 W.

Chains	
80.18	Intersect N. and S. line at Cor. to Secs. 1. 2. 11 and 12 Thence I run West on a true line bet. Secs 2 and 11 with Same va.
40.09	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E and W. of Cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.18	The Cor. to Secs. 2. 3. 10 and 11 Land. - Hilly Soil. - 3d rate. October 18th 1881.

North on a random line bet. Secs. 2 and 3. Va. 13° 15' E

40.00	Set temporary 1/4 Sec. cor.

Subdivisions T 31 N. R 30 W.

Chains.	
79.82	Intersect N. boundary of the township 10 lks. E. of Cor. to Secs 2. 3. 34 and 35 described at page 27 Thence I run S 0° 04' E on a true line bet. Secs. 2 and 3 with Same va.
39.82	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.82	The Cor. to Secs. 2. 3. 10 and 11 Land - Rolling Soil - 2d rate. Timber - Isolated pine trees October 26th 1881.

Subdivisions T31 N. R30 W.

Chains	
	From the Cor. to Secs. 3.4.33 and 34 on the South boundary of the township described at page 16 survey of Township 30 N. Range 30 W.
	Thence
	North bet. Secs. 33 and 34 va 13°30' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 27. 28.33 and 34. dug pits 18x18x12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove stake 2

Subdivisions T31 N. R30 W.

Chains.	
	ft. long 2 ins. Square 12 ins. in the ground marked. T31 N. S. 27 on NE. R30 W. S. 34 on SE S 33 on SW. and S 28 on NW. faces with 1 notch on S. and 3 notches on E. edges
	Land - Hilly
	Soil - 3rd and 4th rate
	East on a random line bet. Secs. 27 and 34 va. 13°35' E.
40.00	Set temporary 1/4 Sec. Cor.
80.18	Intersect N. and S. line 58 lks. S. of Cor. to Secs. 26, 27. 34 and 35
	Thence I run S 89°35' W. on a true line bet. Secs. 27 and 34 with same va.
40.09	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E and W.

Subdivisions T31 N. R30 W.

Chains	
	of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it, In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.18	The Cor. to Secs. 27, 28, 33 and 34
	Land.— Hilly
	Soil.— 3d rate
	North bet. Secs. 27 and 28
	Va. 13° 25' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs 21, 22, 27 and 28 dug pits

Subdivisions T31 N. R30 W.

Chains.	
	18x18x12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked.
	T31 N. S. 22 on NE.
	R30 W. S. 27 on SE.
	S 28 on SW. and
	S 21 on NW. faces with 3 notches on E. and 2 notches on S. edge
	Land— Rolling
	Soil.— 2d and 3d rate.
	East on a random line bet. Secs. 22 and 27
	Va. 13. 45' E.
40.00	Set temporary 1/4 Sec. Cor.
80.42	Intersect N. and S. line 48 lks. S. of Cor. to Secs. 22, 23, 26 and 27.
	Thence I run
	S 89° 39' W. on a true line bet. Secs. 22 and 27 with same va.

Subdivisions T31 N. R30 W.

Chains	
40.21	Deposited charred stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18x18x12 ins. E and W. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.42	The Cor. to Secs. 21, 22, 27 and 28 Land.—Rolling Soil.—2d rate.

North bet. Secs. 21 and 22
Va. 13° 10' E.

40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18x18x12 ins. N. and S. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face

Subdivisions T31 N. R30 W.

Chains	
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 15. 16. 21 and 22 dug pits 18x18x12 ins. in each sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it, On S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T31 N. S. 15. on NE. R30 W. S 22 on SE. S 21 on SW and S 16 on NW. faces with 3 notches on each of Sand E. edges. Land.—Hilly Soil.—3d rate

East on a random line
bet. Secs. 15 and 22.
Va. 13° 55' E.

40.00	Set temporary 1/4 Sec. cor.
80.68	Intersect N. and S. line 48 lks. S. of cor. to Secs. 14, 15, 22 and 23.

Subdivisions T31 N. R30 W.

Chains	
	Thence Down S 89°. 39' W. on a true line bet. Secs. 15 and 22 with Same cor.
40.34	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it – Dn E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.68	The cor. to Secs. 15, 16, 21 and 22
	Land – Hilly and rolling
	Soil. – 2d and 3d rate

	North bet. Secs. 15 and 16
	Va. 13°. 00' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of cor. 5 1/2 ft. dist and raised a mound of earth

Subdivisions T31 N. R30 W.

Chains	
	1 1/2 ft. high 3 1/2 ft. base over it. Dn N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 9, 10, 15 and 16. dug pits 18 X 18 X 12 ins. in each Sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. Dn. S E. pit. drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked
	T 31 N. S. 10 on N E.
	R. 30 W. S. 15 on S E.
	S 16 on S W. and
	S 9 on N W. faces with 3 notches on E. and 4 notches on Sedges
	Land – Hilly
	Soil – 3d rate.

Subdivisions T31N. R30W.

Chains	
	East on a random line bet. Secs. 10 and 15 — Va 14°. 00' E.
40.00	Set temporary 1/4 Sec. Cor.
80.38	On Sec. N. and S. line 74 lks. S. of Cor. to Secs. 10, 11, 14 and 15 — Thence I run S 89°. 28' W. on a true line bet. Secs. 10 and 15 with Same Va.
40.19	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
80.38	The Cor. to Secs. 9, 10, 15 and 16. Land — Hilly Soil. — 2d and 3d — rate.

Subdivisions T31N. R30W.

Chains.	
	North bet. Secs. 9 and 10, Va. 12°. 55' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred Stake 12 ins. in the ground for Cor to Secs. 3, 4, 9 and 10 dug pits 18x18x12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. On S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T31N. S. 3 on NE. R30W. S 10 on SE. S 9 on SW. and S 4 on NW. faces with 3.

notches on E. and 5 notches on Sedge
Land — Rolling
Soil. — 2d rate.
October 19th 1881.

East on a random line bet.
Secs. 3 and 10.
Va. 14. 10' E.
40.00 Set temporary 1/4 Sec. cor.
80.70 Intersect N. and S. line 62 lks.
S. of Cor. to Secs. 2. 3. 10 and 11
Thence I run
S 89°. 33' W. on a true line bet.
Secs. 3 and 10 with Same va.
40.35 Deposited Charred stake 12 ins.
in the ground for 1/4 Sec. Cor. dug
pits 18x18x12 ins. E. and W. of Cor. 5½
ft. dist. and raised a mound of
earth 1½ ft. high 3½ ft. base
over it. On E. pit drove stake
2 ft. long 2 ins. square 12 ins. in
the ground marked 1/4 S. on N. face
80.70 The Cor. to Secs. 3. 4. 9 and 10.

Land — Rolling
Soil. — 2d rate.
October 24th 1881.

North on a random line bet.
Secs. 3 and 4
Va. 13°. 00' E.
40.00 Set temporary 1/4 Sec. Cor.
79.78 Intersect the north bound=
=ary of township 5 lks. E. of
Cor. to Secs. 3. 4. 33 and 34 de=
=scribed at page 28
Thence I run
S 0°. 02' E. on a true line bet.
Secs. 3 and 4 with Same va.
39.78 Deposited Charred Stake 12
ins. in the ground for 1/4 Sec. Cor.
dug pits 18x18x12 ins. N. and S. of
Cor. 5½ ft. dist. and raised mound
of earth 1½ ft. high 3½ ft. base
over it. On N. pit drove stake 2
ft. long 2 ins. square 12 ins. in
the ground marked 1/4 S. on W.

Subdivisions T31 N. R30 W.

Chains	
	face
79.78	The cor. to Secs. 3. 4. 9 and 10,
	Land — Rolling
	Soil. — 2d rate.
	October 26th 1881.

Subdivisions T31 N. R30 W.

Chains.	
	From the cor. to Secs. 4. 5. 32 and 33 on the South boundary of the township described at page 18 Survey of T30 N. R30 W.
	I run
	North bet. Secs 32 and 33.
	Va. 13° 35' E.
40.00.	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. at 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. Dr. N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 28, 29. 32 and 33. dug pits 18x18x12 ins. in each Sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. Dr. S.E. pit drove stake 2 ft. long

Chains	
	2 ins. square 12 ins. in the ground marked, T31 N. S. 28 on NE, R30 W. S. 33 on SE, S 32 on SW. and S 29 on NW. faces with 1 notch on S. and 4 notches on E. edge
	Land – Rolling
	Soil. – 2d rate.
	East on a random line bet. Secs. 28 and 33, Va. 13° 45' E.
40.00	Set temporary 1/4 Sec. Cor.
79.46	Intersect N. and S. line 38 lks. S. of Cor. to Secs. 27, 28, 33 and 34
	Thence I run S 89° 44' W. on a true line bet. Secs. 28 and 33,
39.73	Deposited charred stake 12 ins. in the ground for 1/4 Sec Cor. dug pits 18X18X12 ins E. and

Chains.	
	W. of Cor. 5½ ft. dist. and raise mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N face
79.46	The Cor. to Secs. 28, 29, 32 and 33.
	Land – Rolling
	Soil – 2d rate.
	North bet. Secs. 28 and 29. Va 13° 40' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it, On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited charred stake 12

Chains	
	ins. in the ground for cor. to
7	Secs. 20, 21, 28 and 29. dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 2 ft. high 4½ ft. base over it. Dig S.E. pit drive a stake 2 ft. long 2 ins. square 12 ins. in the ground marked T31N. S21 on NE, R30W. S28 on SE, S29 on SW. and S20 on NW. faces with 2 notches on S. and 4 notches on E edge
4	Sand – Rolling Soil. — 2d rate.
	East on a random line bet. Secs 21 and 28 Va. 13° 55' E.
40.00	Set temporary 1/4 Sec. cor.
79.84	Intersect N. and S. line at the cor. to Secs. 21, 22, 27 and 28

Chains.	
	Thence I run.
	West on a true line bet. Secs. 21 and 28 with same va.
39.92	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. Dig E. pit drive stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.84	The cor. to Secs. 20, 21, 28 and 29. Sand – Rolling Soil. – 2d rate.
	North bet. Secs. 20 and 21 Va. 13° 15' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft.

C C	Chains	
		base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
	80.00	Deposited charred stake 12 ins. in the ground for cor. to Secs. 16, 17, 20 and 21 dug pits 18X18X12 ins. in secs. 17 and 21 and 18X18X10 ins. in Secs 16 and 20 because of rock making greater depth impracticable and raised mound of earth 2 ft. high 4 1/2 ft. base over it In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T31N. S. 16 on NE., R30W. S. 21 on SE., S 20 on SW. and S 17 on NW. faces with 4 notches on E and 3 notches on Sedge Land — Rolling Soil. — 1st and 2d rate.

Chains	
	East on a random line bet. Secs. 16 and 21 Va. 13° 55' E.
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect N. and S. line 4 lks. N. of cor. to Secs. 15, 16, 21 and 22
	Thence S. rem N 89° 58' W. on a true line bet. Secs. 16 and 21 with same Va.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of cor. 5 1/2 dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.00	The cor. to Secs. 16, 17, 20 and 21 Land — W 1/2 rolling — balance hilly Soil — W 1/2 2d rate — balance 3d rate.

Chains	
	North bet. Secs. 16 and 17 Va. 13°.05' E.
31.00	Rocky ravine about 20 ft. deep and 80 lks wide Course W.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
55.00.	along the top of right bank Snake Creek about 40 ft. above stream for one chain
80.00	Deposit Charred Stake 12 ins. in the ground for Cor. to Secs 8.9.16 and 17. dug pits 18X18X 12 ins. in each sec 5½ ft. dist. and raise mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in

Chains.	
	the ground marked. T31 N. S. 9 on NE. R30 W. S 16 on SE. S 17 on SW. and S 8 on NW. faces with 4 notches on Each of E and S edges Land.— Broken. Soil.— 2d and 3d rate
	East on a random line bet. Secs. 9 and 16. Va. 13°.55' E.
40.00	Set temporary 1/4 Sec. Cor.
80.20	Intersected N. and S. line 17 lks. S. of Cor. to Secs. 9. 10. 15 and 16
	Thence I run S 89°.53' W. on a true line bet. Secs. 9 and 16 with Same Va.
40.10	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E and W. of Cor. 5½ ft. dist and raised

Subdivisions T31 N. R30 W.

Chains	
	a mound of earth 1½ ft. high 3½ ft. base over it. Drs E. pit. drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face.
80.20	The Cor. to Secs. 8. 9. 16 and 17. Land – Rolling Soil – 2d rate. October 20th 1881.
	North bet. Secs. 8 and 9 Va. 13° 15' E.
18.70	Falls on Snake Creek about 4½ ft. high bears N 45° W about 2 chs. dist.
20.50	Ravine 20 lks wide bears W.
40.00	Deposited Charred Stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it. Drs N. pit drove stake 2 ft. long 2 ins.

Subdivisions T31 N. R30 W.

Chains.	
	Square 12 ins. in the ground marked ¼ S. on W. face. S W from this ¼ Sec. Cor. and about 18 chs. below falls heretofore noted on this line is a fall of about 14 feet and in this vicinity Snake Creek enters a gorge of from 200 to 400 ft. in depth.
53.40	Ravine 40 lks wide course W.
79.00	Brow of Snake Creek's gorge or Canon enter pine timber course NE.
80.00	Set Sand stone 22 X 8 X 6 ins 20 ins. in the ground for Cor. to Secs. 4. 5. 8 and 9 with 4 notches on E. and 5 notches on S edge. From which a pine 15 ins. diam bears N 41¼° E 37 lks. dist. marked T31 N. R30 W. S.4 B.T. a pine 10 ins. diam bears N 55¼° W. 65 lks. dist. marked T31 N. R30 W. S.5 B.T. no other trees within limits and

Chs	Chains	
		raised a mound of stone alongside
		Land.- Broken
		Soil.- 1st 2d and 3d rate.
		East on a random line bet. secs.
80.		4 and 9
		Va. 13°55' E.
	40.00	At temporary 1/4 Sec. Cor.
	80.26	Intersect N. and S. line 22 lks.
		S. of Cor. to Secs. 3, 4, 9 and 10.
		Thence I run
		S 89°51' W. on a true line bet.
18.		Secs. 4 and 9 with same va.
	40.13.	Deposited charcoal stake 12
		ins. in the ground for 1/4 Sec.
20.		Cor. dug pits 18x18x12 ins. E. and
		W. of Cor. 5½ ft. dist. and raised a
		mound of earth 1½ ft. high 3½
		ft. base over it. In E. pit drove
		Stake 2 ft. long 2 ins. square
		12 ins. in the ground marked
		1/4 S. on N. face
	80.26	The Cor. to Secs. 4, 5, 8 and 9.

Chains.	
	Land.- Rolling and nearly level
	Soil.- 1st and 2d rate.
	October 24th 1881.
	North on a random line
	bet. Secs. 4 and 5
	Va. 13°10' E.
	as the line here immediately
	plunges into Snake Creek gorge
	following the right side there=
	=of through pretty heavy pine
	timber and at 8 chs crosses
	mouth of Canon coming in
	from the E. and about 36 chs
	regains top of bank offset
	from Cor. to Secs. 4, 5, 8 and 9
	10 chs E. and and at 40 chs.
	offset back to line 10 chs.
	Therefore at
40.00	Set temporary 1/4 Sec. Cor.
	as the line will in about
	15 chs again strike edge of
	Snake Creek gorge and run

Chains	
	along the face thereof through Scattered pine and cedar. I resume offset line 10 chs. E. and at 70. chs. offset back W. 10 chs. to random line
80.	and find that at
68.00	Leave gorge and timber and enter rolling prairie
79.38	Intersect N. boundary of the township 30 lks. W. of cor. to secs 4. 5. 32 and 33 described at page 30
18.	Thence I run S 0°. 13' W. on a true line bet. secs 4 and 5 with same va.
20. 39.38.	Deposited charred stake 12 ins. in the ground for 1/4 sec. cor. dug pits 18X18X12 ins W. and S. of cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked
40	

Chains	
	1/4 S. on W. face
79.38	The cor. to secs. 4. 5. 8 and 9. Land. Rolling, level and broken. Soil. - 1st 2d and 3d rate. Timber - Pine with some cedar 39 chs.
	October 27th 1881.

Subdivisions T31 N. R30 W.

Chains	Chains	
		From the Cor. to secs. 5, 6, 31 and 32 on the South boundary of the township described at pages 19 and 20 Survey of T. 30 N. R30 W.
80.2		Drew North bet. secs. 31 and 32 Va. 13° 45' E. In Snake Creek valley
	40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins, N.
18.70		and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high
20.50		3½ ft. base over it. In N. pit
40.0		drove stake 2 ft. long 2 ins. Square 12 ins. in the ground
		marked 1/4 S. on W. side
	55.00	Offset E. 10. chs. to avoid bad
		Crossing of Snake Creek (which
	60.15	by measurement on line at Right bank Snake Creek 70 lks. wide flows NE) and

Subdivisions T31 N. R30 W.

Chains.	
	at 80 chs. offset 10 chs. W, which brings me on left side of Snake creek where I resume the line and at ———
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 29, 30, 31 and 32 dug pits 18x18x 12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. Square 12 ins in the ground marked.
	T31 N. S. 29 on NE.
	R30 W. S. 32 on SE.
	S 31 on SW and
	S 30 on NW. faces with 1 notch on S. and 5 notches on E. edge
	Land. Broken
	Soil. — 1st to 3d rate.
	Timber — an occasional Cedar near creek.

Subdivisions T31 N. R30 W.

Chains	Chains	
		East on a random line bet. Secs. 29 and 32 Va. 13° 55' E.
	2.80	Left bank Snake Creek 64 lks. wide flows N.
80.20	40.00	Set temporary 1/4 Sec. Cor.
	80.12	Intersect N. and S. line 42 lks. N. of Cor. to Secs 28. 29. 32 and 33. Thence I run N. 89° 42' W. on a true line bet. Secs. 29 and 32 with same Va.
	40.06	Deposited Charred Stake 12 ins.
18.70		in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of
20.50		Cor. 5 1/2 ft. dist. and raised a
40.00		mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
	80.12	The Cor. to Secs. 29. 30. 31 and 32 Land - Rolling Soil. - 2d rate.

Subdivisions T31 N. R30 W.

Chains	
	West on a random line bet. Secs 30 and 31 Va. 13° 45' E.
40.00	Set temporary 1/4 Sec. Cor.
80.84	Intersect the west boundary of the township 28 lks. N. of Cor. to Secs. 25. 30. 31 and 36 described at page 16 Thence I run N 89° 48' E. on a true line bet. Secs. 30 and 31 with same Va.
40.84	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.84	The Cor. to Secs 29. 30. 31 and 32 Land — Rolling Soil. — 2d and 3d rate. October 21st. 1881.

Subdivisions T31 N. R30 W.

Chains	Chains	
		North bet. secs 29 and 30 Va. 13°50' E
		This line will cross Snake Creek three times in 40 chs. and is over rough ground to
80.20		avoid which I offset W. 10 chs. and at 40. chs. offset back 10 chs. E. down nearly perpen=dicular descent through clumps of cedar and regain line on right bank of Snake
		Creek and at ———
18.70	40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18×18×12 ins. N. and S.
20.50		of Cor. 5½ ft. dist. and raised a
40.00		mound of earth 1½ ft. high 3½ ft. base over it. In N. pit arrow stake 2 ft. long 2 ins. in the ground marked 1/4 S. on W. face from this Cor.
		A cedar 24 ins. diam bears N 4° E 54 lks dist. marked 1/4 S. B. T.

Subdivisions T31 N. R30 W

Chains.	
	a cedar 16 ins. diam bears S. 33¾° E 52 lks. dist marked 1/4 S. B. T.
	as the line at 90 lks runs into Snake Creek, regains the right bank and again cros=ses the Creek in the next 40 chains through rough ground I resume the off=set line 10 chs. west of 1/4 Sec. Cor, and at 80. chs. measure back 10 chs. E. resume line and at
80.00	Deposited charred stake 12 ins. in the ground for Cor. to secs. 19. 20, 29 and 30 dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T31 N. S. 20 on NE. R30 W. S. 29 on SE. S 30 on SW. and

Subdivisions T 31 N. R 30 W.

Chains	Chains	
		S 19 on NW. faces with 2 notches on S and 5 notches on E. edge
		Land - Broken
		Soil - 1st and 2d rate.
		Timber Cedar - 14 chs.
80.20		
		East on a random line bet. Secs 20 and 29.
		Va. 13° 55' E.
	11.50	Left bank Snake Creek 90 lks. wide flows N.
	40.00	Set temporary 1/4 Sec. Cor.
18.70	80.12	Intersect N. and S. line 12 lks. N. of Cor. to Secs. 20. 21. 28 and 29
20.50		Thence I run
40.00		N 89° 55' W. on a true line bet. Secs. 20 and 29 with Same va.
	40.06	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high

Subdivisions T 31 N. R 30 W.

Chains	
	3 1/2 ft. base over it. I set E. pit driven stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.12	The cor. to Secs 19. 20. 29 and 30.
	Land - Rolling
	Soil - 2d rate.
	October 22d 1881.
	West on a random line bet. Secs. 19 and 30.
	Va. 13° 55' E.
40.00	Set temporary 1/4 Sec. Cor.
79.90	Intersect wet boundary of the town=ship 6 lks. N. of Cor. to Secs. 19. 24 25 and 30 described at page 17
	Thence I run
	N 89° 57' E. on a true line bet. Secs. 19 and 30. with Same va.
39.90	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised

Subdivisions T31N. R30W.

	Chains	
		mound of earth 1½ ft. high 3½ ft. base over it. Dig E. pit drive stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
8	79.90	The cor. to Secs. 19, 20, 29 and 30. Land – Rolling Soil. – 3d rate.
		North bet. Secs. 19 and 20 Va. 13° 20' E.
4	40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound
18 8		of earth 1½ ft. high 3½ ft. base over it. Dig N. pit drove stake 2 ft.
20 4		long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face
4	80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 17, 18, 19 and 20. dug pits 18x18x12 ins. in each Sec. 5½ ft.

Subdivisions T31N. R30W.

Chains	
	dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. Dig S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T31N. S. 17 on N.E. R30W. S. 20 on S.E. S 19 on S.W. and S 18 on N.W. faces with 3 notches on S. and 5 notches on E edge Land – Rolling Soil – 3d rate.
	East on a random line bet. Secs. 17 and 20. Va. 13° 55' E.
40.00	Set temporary ¼ Sec. Cor.
55.00	Brow of steep bank about 60 ft. high descend to Snake Creek
58.70	Left bank Snake Creek 60 lks. wide flows N 30° W.
60.00	Top of Right bank Snake Creek

Subdivisions T31 N. R30 W.

Chains	Chains	
	80.00	Intersect N. and S. line at the Cor. to Secs 16, 17, 20 and 21. Thence Drew West on a true line bet. Secs. 17 and 20 with Same va.
80.	40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
18.7 8	80.00	The Cor. to Secs. 17, 18, 19 and 20.
20. 40		Land – Rolling to hilly and at creek broken Soil – 2d and 3d rate. Timber – Scattered Cedars on Creek

Subdivisions T31 N. R30 W.

Chains	
	West on a random line bet. Secs 18 and 19. Va. 13° 55' E.
40.00	Set temporary 1/4 Sec. Cor.
79.88	Intersect west boundary of the township 22 lks. N. of Cor. to Secs. 13, 18, 19 and 24 described at page 19. Thence Drew N 89° 51' E. on a true line bet Secs. 18 and 19 with Same va.
39.88	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.88	The Cor. to Secs. 17, 18, 19 and 20. Land – Rolling Soil – 3d rate.

Subdivisions T 31 N. R 30 W.

Chains	
	North bet. Secs 17 and 18. Va. 13° 10' E.
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of Cor. 5 1/2 ft. dist, and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove Stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 7, 8, 17 and 18. dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 31 N. S. 8 on N E. R 30 W. S 17 on S E. S 18 on S W. and

Subdivisions T 31 N. R 30 W.

Chains.	
	S 7 on N W. faces with 4 notches on S. and 5 notches on E edge. Land — Hilly. Soil. — 3d rate.
	East on a random line bet. Secs. 8 and 17. Va. 13° 55' E.
40.00	Set temporary 1/4 Sec. cor.
60.00	Brow of bluff about 80 ft. high descend to Snake Creek
62.00	Enter Scattering pine and cedar timber trees N W.
66.70	Bottom of bluff
68.	Leave timber
70.80	Left bank Snake Creek 60 lks wide flows N 10° W.
80.08	Intersect N. and S. line 6 lks. S. of Cor. to Secs. 8, 9, 16 and 17 Thence I run S 89° 57' W. on a true line bet. Secs. 8 and 17 with Same Va.

Chains.	
40.04	Deposited Charred stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it - In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
80.08	The Cor. to Secs. 7. 8, 17 and 18. Land. Hilly and broken Soil — 2d and 3d rate October 24th 1881.
	West on a random line bet. Secs. 7 and 18; Va. 13° 55' E.
40.00	Set temporary 1/4 Sec. Cor.
80.25	Intersect west boundary of township 58 lks. N. of Cor. to Secs. 7. 12. 13 and 18 described at page 20
	Thence I run

Chains.	
	N 89° 35' E. on a true line bet. Secs. 7 and 18, Same Va
40.25	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.25	The Cor. to Secs. 7, 8, 17 and 18 Land — Broken Soil — 3d rate.
	North bet. Secs. 7 and 8, Va. 13° 20' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove stake

Chains	
	2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
80.00	Deposited Charred stake 12 ins. in the ground for cor. to Secs. 5, 6, 7 and 8, dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 31 N. S. 5 on N.E. R 30 W. S. 8 on S.E. S 7 on S.W. and S 6 on N.W. faces with 5 notches on each of S. and E. edges
	Land - Hilly
	Soil - 3d rate.
	October 26th 1881.

Chains	
	East on a random line bet. Secs. 5 and 8, Va. 14°, 00' E.
40.00	at temporary 1/4 Sec. cor.
68.15	at 135 lks beyond this point is the brow of a precipitous gorge about 250 ft. deep containing pine and cedar timber through about the center of which runs in a northerly course snake creek 70 lks wide. To avoid chaining through this gorge I set flag on line on E. side of gorge beyond the cor. to secs. 4, 5, 8 and 9 (being inaccessible on account of timber to see said cor.) I then offset at right angles to random line 7 chs. go to extremity of said offset line and find the angle between said offset line and line joining said extremity and the flag point on E. side of

Chains	
	gorge is 64°.15' giving by calculation distance across gorge to flag point 14.57 chs. Distance to flag point on line is therefore 68.15 + 14.57 = 82.66 chs, I now go across and measure distance from flag point to intersection with N. and S. line and find said intersection is 2.18 chs. back from said flag point and 48 lks. due S. of said Sec. Cor. giving
80.	
18. 80.48	Intersect N. and S. line 48 lks. S. of Cor. to Secs. ~~5.6.7 and 8~~ 4.5-8
20	Thence I run S89°.39' W. on a true line bet Secs. 5 and 8 with same va.
40.24	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it

Chains.	
	In E. pit drove stake 2 ft. long, 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
80.48	The Cor. to Secs. 5.6.7 and 8 Land - W½ rolling E½ hilly and broken. Soil - 2d and 3d rate Timber Pine and Cedar - 15 chs. October 26th 1881.
	West on random line bet. Secs. 6 and 7 Va 14°.00' E.
40.00	Set temporary 1/4 Sec. Cor.
80.26	Intersect the west boundary of the Township 46 lks. N. of Cor. to Secs. 1.6.7 and 12 described at page 21
	Thence I run N89°.40' E. on a true line bet Secs. 6 and 7. with same va.
40.26	Deposited Charred stake 12

Subdivisions T31N. R30W.

Chains	
	ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
80.	
80.26	The Cor. to Secs. 5, 6, 7 and 8. Land — Rolling Soil — 2d rate.
18.	North on random line bet. Secs. 5 and 6. Va. 13° 20' E.
20	40.00 Set temporary 1/4 Sec. Cor.
4	80.82 Intersect the north boundary of the Township 78 lks E. of Cor. to Secs. 5, 6, 31 and 32 described as page 32. Thence I run S 0° 32' E on a true line bet. Secs. 5 and 6 with same va.

Subdivisions T31N. R30W.

Chains.	
40.82	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.82	The Cor. to Secs. 5, 6, 7 and 8 Land — Hilly Soil — 3d and 4th rate October 27th 1881.

Observations on Star

Polaris.

Observed va. of compass needle on lines established by observations of Western Elongations of Star Polaris, va. noted after daylight

October 25th 1881

va. on observation line	15° 48' E
Deduct azimuth	1° 49'
	13° 59' E

October 26th 1881

va. on observation line	15° 42' E
Deduct azimuth	1° 49'
	13° 53' E

One other observation taken during operations in this township but lost on account of accidental moving of instrument

General Description

The only water in this township is Snake Creek in the western part, a swift stream about 60 ft. wide with numerous rapids. the channel principally a soft stone which when it reaches sec. 8 enters on a series of falls, from 15 chs. to one half mile apart, about 4 ft. 14 ft. and 6 ft. respectively in height, and leaves the township in a gorge or canon about 20 ft. deep lined with cedar and pine. This stream furnishes splendid water power easily utilized

Some good cedar is scattered along Snake Creek with some pitch pine in the last mile or two of its course which with a few isolated pines along its north boundary is all the timber in the township

Subdivisions T31N. R30W.

Remnants of pines are scattered all over the western part of the township more or less imbedded in the soil —

Snake valley proper is narrow, a second bottom underlaid mostly with soft stone running to, or within two or three chs. of the stream

The whole township has a fair growth of buffalo and tunch grasses.

No settlements or improvements except an unoccupied herders cabin in Sec. 17.

Thomas Graham
U. S. Deputy Surveyor.

A List of the Names of the individuals employed by Thomas Graham, U. S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision lines and Resurvey of Exterior lines of Township No. 31 North of the Base line of Range No. 30 West of the 6th Principal Meridian in the State of Nebraska, showing the respective capacities in which they acted:

W. T. Richardson	Compassman,
George W. Lawson	Chainman,
Robt. B. Rutherford	Chainman,
	Chainman,
	Chainman,
George E. Richtmyer	Moundman,
John W. Merriam	Moundman,
Elmer E. Cox	Flagman,
	Flagman.

We hereby certify that we assisted Thomas Graham United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision lines and Resurvey of Exterior lines of Township No. 31 North of the Base line of Range No. 30 West of the 6th Principal Meridian in the 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 Nebraska and Iowa.

W. T. Richardson	Compassman,
G W Lawson	Chainman,
R. B. Rutherford	Chainman,
	Chainman,
	Chainman,
Geo. E. Richtmyer	Moundman,
John W. Merriam	Moundman,
Elmer E. Cox	Flagman,
	Flagman.

Subscribed in my presence and sworn to before me this 17th day of December 1881.

Daniel C. McKelly
Notary Public

I, Thomas Graham U. S. Deputy Surveyor,

do solemnly swear that in pursuance of instructions received from Geo. S. Smith U. S. Surveyor General

for Nebraska and Iowa, bearing date of the 14th day of June, 1881, 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 Nebraska and Iowa, the Surveying Manual, and the Laws of the United States, surveyed all those parts or portions of the Subdivision Lines and Resurvey of Exterior Lines of Township No. 31 North of the Base Line of Range No. 30 West 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 United States Surveyor General for Nebraska and Iowa, 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 8th, 1846.

Thomas Graham

U. S, Deputy Surveyor.

Subscribed in my presence and sworn to before me this 1st day of February, 1882

Daniel C. McKelvey

Notary Public

Surveyor Generals Office
Plattsmouth Neb
March 20th 1882

The foregoing field notes of the Survey of Subdivision lines of Township No 31 N. Range No 30 W. 6th Principal Base and Meridian in the State of Nebraska. Executed by Thomas Graham under his contract No 119, Dated June 14th 1881. In the month of Oct, 1881. having been critically examined, the necessary corrections and explanations made, The said field notes, and the survey they describe are hereby approved.

Geo. S. Smith
Surveyor General.

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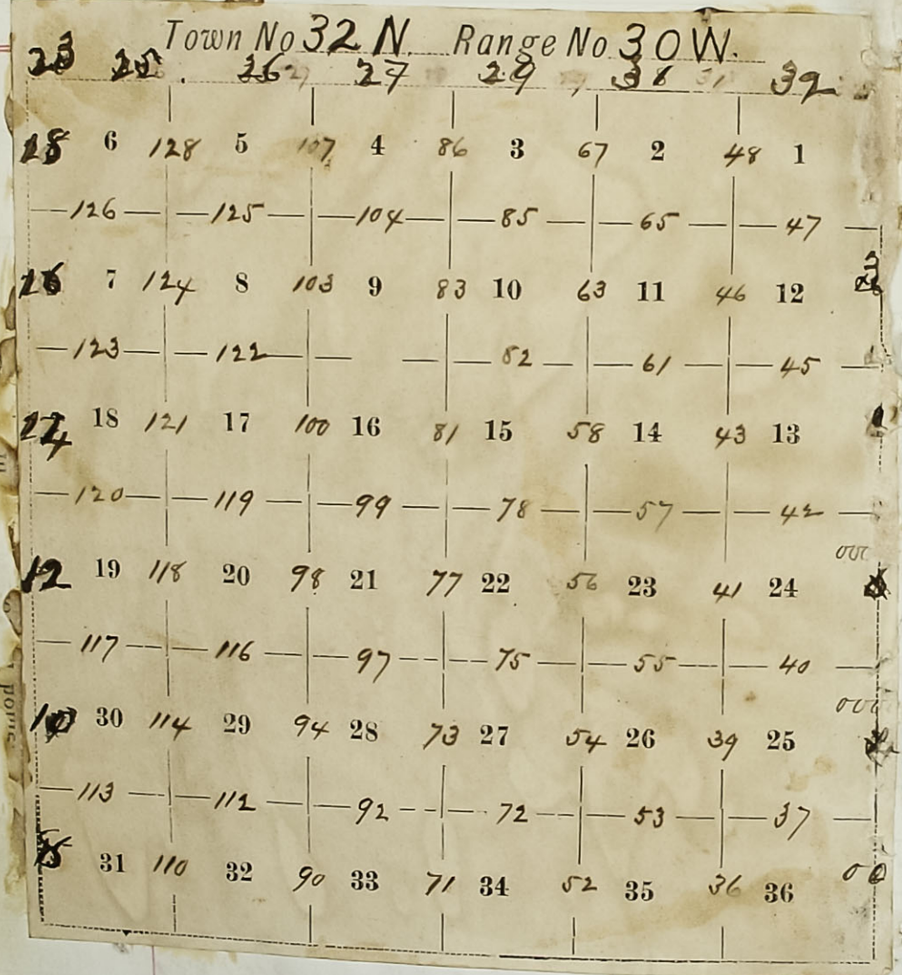

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Names & Duties of assistants
and
Preliminary oaths

See Survey of T 30 N
R 31 West
Date Aug 3rd 1881

Exterior T 32 N. R 30 W.

Chains	
	as the measurements on this east boundary are in=correct and the corners nearly obliterated, I resurvey the same.
	Subdivision lines having been closed on the East side of this east boundary I cannot change its location and therefore commencing at the Cor. to Towns 31 and 32 N. Ranges 29 and 30 W. already described I run N 1° 27' E. bet. secs. 31 and 36 Va 14° 06' E.
40.00	The old 1/4 sec. Cor. no stake or similar mark. I rebuild mound making it 1½ ft. high 3½ ft. base clean out pits making them 18 x 18 x 12 ins N. and S. of Cor. 5½ ft. dist and in N. pit drove stake 2 ft. long 2 ins. square

Exterior T 32 N. R 30 W.

Chains	
	12 ins. in the ground marked 1/4 S. on W. face
80.00	The old Cor. to Secs. 25.30.31 and 36 a mound and pits nearly obliterated but no stake or similar mark I rebuild mound making it 2 ft. high 4½ ft. base, clean out pits to 18 x 18 x 12 ins. in each sec. 5½ ft. from Cor. and in S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 32 N. S. 30 on N.E. R 29 W. S. 31 on S.E. R 30 W. S. 36 on S.W. and S 25 on N.W. face with 1 notch on S. and 5 notches on N. edge
	Land. Hilly
	Soil - 3d and 4th rate

Chains.	
	North 1.28 E bet. Secs. 25 and 30 Va. 14° 06' E
40.00	The old 1/4 sec. cor. in fair condition but no stake or similar mark. I rebuild mound making it 1½ ft. high 3½ ft. base and clean out pits N. and S. of cor. 5½ ft. dist. making them 18x18x12 ins. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins in the ground marked 1/4 S. on W. face
80.00	The old cor. to Secs. 19. 24. 25 and 30 a mound and pits nearly obliterated but no stake or similar mark. I rebuild mound making it 2 ft. high 4½ ft. base clean out pits in each sec. 5½ ft. dist. making them 18x18x12 ins. and in S.E. pit drove a stake 2 ft. long 2

Chains	
	ins. square 12 ins. in the ground marked T 32 N. S. 19. on N.E. R. 29 W. S. 30 on S.E. R 30 W. S. 25 on S.W. and S 24 on N.W. face with 2 notches on S. and 4 notches on N. edge Sand & Hilly Soil 2d 3d and 4th rate.

Chains	
	N 1° 27' E. on the east boundary of Sec. 24
	Va. 14° 00' E.
39.57	The old 1/4 sec. Cor. a mound and pits in fair condition
40.00	Deposited charred stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of Cor. 5½ ft. dist and raised a mound of earth 1½ ft. high 3½ ft. base over it In N. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S on W. face
79.57	The old sec. Cor. a mound and pits in fair condition
80.00	Deposited a charred stake 12 ins. in the ground for Cor. to Secs. 13 and 24, dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it. In S.W. pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked R 30 W. S 24 on S.W. and T 32 N. S 13 on N.W. faces with 3 notches on each of N. and S. edges

Exteriors T 32 N. R. 30 W.

Land, Rolling
Soil - 2d and 3d rate

Exteriors T32N. R30W.

Chains	
	N. 1° 27' E. on the east boundary Sec. 13.
	Do. 14° 06' E.
39.57	The old 1/4 Sec. Cor. a mound and pits in fair condition
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it.
	In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
79.57	The old Cor. to Secs. 7, 12, 13. and 18 a mound and pits in fair condition
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 12 and 13 dug pits 18x18x12 ins. in each

Exteriors T32N. R30W.

Chains	
	Sec. 5½ ft. dist and raised a mound of earth 2 ft. high 4½ ft. base over it.
	On S. W. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T32N. S 12 on N. W. and R30W. S 13 on S. W. face with 2 notches on N. and 4 notches on S. edge
	Land. Hilly
	Soil — 2d and 3d rate

Exterior T 32 N. R 30 W.

Chains	
	S. 1° 27' E. on the east boundary of sec. 12 Va. 14° 06' E.
39.57	The old 1/4 sec. cor. in fair Condition
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 sec. cor. dug pits 18 X 18 X 12 ins N. and S. of cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
72.00	South branch Black Hills Road course W.
79.77	The old cor. to Secs 1. 6. 7 and 12 a mound and pits
80.00.	Deposited charred stake 12 ins. in the ground for cor. to Secs 1 and 12 dug pits 18 X 18 X 12 ins. in each sec

Exterior T 32 N. R 30 W.

Chains.	
	5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S. W. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 32 N. S. 1. on N. W. and R. 30 W. S. 12 on S. W. faces with 1 notch on N. and 5 notches on S. edge
	Land. Rolling
	Soil — 2d and 3d rate.

Exteriors T 32 N. R. 30 W

Chains	
	N. 1° 27' E. bet secs. 1 and 6 va 14° 06' E.
3.38	North branch Black Hills Road bears W.
40.00	The old 1/4 sec. cor. in fair condition - I secured mound making it 1½ ft. high 3½ ft. base. Cleaned out pits N. and S. of cor. 5½ ft. dist making them 18 x 18 x 12 ins. and in N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
63.80	Intersect the 8th Standard Parallel 14.48 chs. West of the S. cor. to Secs. 31 and 32 T. 33 N. R. 29 W. As I can find no trace at the point indicated in the original field notes of the old closing cor. I establish the above point

Exteriors T 32 N. R. 30 W.

Chains	
	of intersection as the closing cor. and accordingly at such intersection. Deposited charred stake 12 ins. in the ground for closing cor. to Towns 32 N. Ranges 29 and 30 W. dug pits 24 x 18 x 12 ins. crosswise on each line S. E. and W. of cor. 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base over it. In E. pit drove a stake 2 ins. square 2 ft. long 12 ins. in the ground marked C. C. T 32 N. on S. R 29 W. S. 6 on E. and R. 30 W. S. 1 on W. faces with 6 notches on S. E. and W. faces.

Land — Rolling and hilly
Soil — 2d to 4th rate.
October 27th 1881

Before subdividing Township 32 N. R 30 W. I commenced at the Cor. to Tps. 31 and 32 N. Ranges 30 and 31 W and run North on a blank line bet. secs. 31 and 36 Va. 13° 48' E.

At 40. chs. search but find no corner. and at 80. chs. search at point indi=cated and in vicinity but find no trace of corner I continue this line North finding no corners or trace thereof on the entire line and at 5 miles 73.50 chs. intersect the 8th Standard Parallel 10.77 chs. East of the 1/4 sec. Cor. on the South boundary of sec. 31 T 33 N. R 30 W. I go to the point indicated on the original field notes as the location of the closing Cor. but find

Chains

no trace thereof. as no subdivision lines have been closed on either side of this West boundary I establish the line as run by me and resurvey the same as follows.

Commencing at the Cor. to Tps. 31 and 32 N. Ranges 30 and 31 W. I run North bet. secs. 31 and 36 Va. 13° 48' E.

40.00 Deposited charred stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it On S. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face

80.00 Deposited charred stake 12

Exterior T 32 N. R. 30 W.

Chains	
	ins in the ground for Cor. to Secs. 25. 30. 31 and 36 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it.
	In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 32 N. S. 30 on N.E. R 30 W. S. 31 on S.E. R 31 W. S 36 on S.W. and S 25. on N.W. face with 1 notch on S. and 5 notches on N. edge
	Land. Rolling and hilly Soil 2d to 4th rate

Exterior T 32 N. R 30 W.

Chains	
	North bet. Secs. 25 and 30. Va. 13° 48' E.
12.00	Descend about 200 ft. into dry Canon containing Scattered pines and Cedars.
18.00	Top of bluff on N. side of Canon which bears N 80° E
40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 19. 24. 25 and 30 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist and raised a mound of earth 2 ft. high

Exteriors T 32 N. R 30 W.

Chains	
	4½ ft. base over it.
	In S.E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked
	T 32 N. S. 19 on N.E.
	R 30 W. S 30 on S.E.
	R 31 W. S. 25 on S.W. and
	S 24 on N.W. faces with 2 notches on S. and 4 notches on N. edge
	Land. - Hilly and broken
	Soil - 3d and 4th rate.

Exteriors T 32 N. R. 30 W.

Chains	
	North bet. Secs. 19. and 24
	Va. 13° 48' E.
40.00	Deposited charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18×18×12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it.
	In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited charred stake 12 ins in the ground for Cor. to Secs. 13. 18. 19. and 24 dug pits 18×18×12 ins. in each Sec. 5½ ft. dist. and raised mound of earth over it 2 ft. high 4½ ft. base
	In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked

Exterior T 32 N. R 30 W.

Chains	
	T 32 N. S. 18 on NE R 30 W. S. 19 on SE R 31 W. S. 24 on SW. and S 13. on NW. face with 3 notches on each of N. and S. edges Land — Hilly and rolling Soil — 3d and 4th rate
40.00	

Exterior T 32 N. R 30 W.

Chains	
	North bet. Secs. 13 and 18 Va. 13° 48' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18 dug pits 18 x 18 x 12 ins in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12.

Exteriors T 32 N. R 31 W

Chains	
40.00	ins in the ground marked T 32 N. S. 7 on NE. R 30 W. S. 18 on SE. R 31 W. S. 13 on SW. and S 12 on NW. face with 2 notches on N. and 4 notches on S. edge Land – Hilly Soil – 3d and 4th rate

Exteriors T 32 N. R 30 W.

Chains	
	North bet. Secs. 7 and 12 va. 13° 48' E
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18 X 18 X 12 ins. N. also E. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it On S. set down stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12 dug pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. On SE. set down stake 2 ft. long 2 ins. square 12

ins in the ground
marked,
T 32 N. S. 6. on N.E.
R 30 W. S. 7 on S.E.
R 31 W. S. 12 on S.W. and
S 1 on N.W. face with
1 notch on N. and 5
notches on S. edge
Land - Hilly
Soil - 3d class 4th rate

Chains	
	North bet. Secs. 1 and 6. Va. 13° 48' E
2.00	Leave sand hills and enter rolling land bears S.E.
13.00	Black Hills road course E. and W.
28.00	Brow of hill bearing S.E. and N.W. descend into Niobrara valley
39.00	Bottom of hill enter Niobrara river bottom an occasional pine along face of hill.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked

Chains	
	1/4 S. on W. face
48.56.	Right bank of Niobrara River here a swift current about 4 ft. deep with quick=sand bottom
	At this point Deposited a Charred stake 12 ins. in the ground for meander Cor. to fractional Secs. 1 and 6 dug
pit	3 ft. Square 1 ft. deep 8 lks. E. of Cor. and raised a mound of earth 2 ft. high 4½ ft. base over it. In pit drove stake 2 ft. long 2 ins Square 12 ins. in the ground mark=ed Mt. 6. with
	T 32 N. on S.
	R 30 W. S. 6 on E. and
	R 31 W. S. 1 on W. face
57.75	Left. bank of Niobrara River Deposited Charred stake 12 ins. in the ground for me=ander Cor. to fractional Secs.

Chains	
	1 and 6 dug pit 3 ft. square 1 ft. deep 8 lks N. of Cor. and raised mound of earth 2 ft. high 4½ ft. base over it. In pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked Mt. 6. with
	T 32 N. on N.
	R 30 W. S. 6 on E. and
	R 31 W. S. 1 on W. face
73.55	Intersect 8 th. Standard Parallel 10.77 chs. East of the 1/4 Sec. Cor. on S. boundary of Sec. 31 T 33 N. R 30 W.
	At this point of intersection I establish the closing Cor. and deposited Charred stake 12 ins. in the ground for clo=sing Cor. to Tps 32 N. Ranges 30 and 31 W. dug pits 24 x 18 x 12 ins. S. E. and W. of Cor. Crosswise on each line 6 ft. dist and raised mound

of earth 2½ ft. high 5 ft.
base over it.
In E. pit drove a stake
2 ft. long 2 ins. Square 12
ins. in the ground marked,
C.C. T32 N. on S
R30 W. S6 on E and
R31 W. S1 on W. face with
6 notches on each S. E.
and W. face
Land Rolling and broken
Soil - 1st to 3d rate.
October 29 1881

Resurvey of North boundary of T32 N. R. 30 W.

From the closing Cor. to Tps. 32 N. Ranges 30 and 31 W. described at pages 27 and 28 I continue the line as indicated by my survey of the North boundary of T32 N. R31 W. and I run
S 89° 17' E. along South boundary Sec. 31 T33 N. R30 W.
va. 14.04' E.
At 29.19 chs. I find the S. sec. Cor. to Secs 31 and 32 T33 N R30 W. and continue the line last to closing Cor. to Tps 32 N. Ranges 29 and 30 W.
I find the chaining practically agrees but all the corners nearly obliterated

Chains	
40.00	and the posts stakes or Similar marks in many Cases missing I therefore resurvey this North boundary as follows: Commencing at the clos=sing Cor. to Tps. 32 N. Ranges 30 and 31 W. I run S 89°.17' E on South bound=ary sec. 31 T 33 N. R 30 W. 2a. 14°.04 E
29.19	The old sec. cor. to Secs. 31 and 32 a post 4 ins. square mark=ed S. C. on S. R 30 W. S 32 on E. and T 33 N. S 31 on W. face. laying on mound having rotted off. the mound and pits nearly obliterated. From this Cor. a pine stump 18 ins. diam marked B. T. bears S. 60° W 30 lks. dist. the tree probably a bearing
80.	

tree has fallen and lays rotting aside the stump I rebuilt mound ma=king it 2 ft. high 4½ ft. base clean out pits N. E. and W. of Cor. 5½ ft. dist. ma=king them 18 x 18 x 12 ins. In E. pit drove stake 2 ft long 2 ins. Square 12 ins. in the ground marked T 33 N. R 30 W. S. C. on N. S 32 on E. and S 31 on W. faces with 1 notch on W. and 5 notches on E. face

Land – very hilly and broken

Soil – Sandy and portion Stony 3rd and 4th rate

Timber – Scattered pine and Cedar

Exterior T 32 N. R. 30 W.

Chains	
	S 89°.17' E on south boundary sec. 32.
	Va. 14°.04' E.
39.93	1/4 sec. cor. in fair condition but no stake or similar mark. clean out pits making them 18x18x12 ins. E. and W. of cor. 5½ ft. dist. and rebuild mound making it 1½ ft. high 3½ ft. base In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. S. C. on N. face
80.00	Cor. to Secs. 32 and 33 in good condition with post 4 ins. square 4 ft. long marked T 33 N. R 30 W. S. C. on N. S 33 on E. and S 32 on W. face with 4 notches on E. and 2 notches on W. face

Exterior T 32 N. R 30 W.

	set in mound with pits. Land - Hilly and broken Soil - 3rd and 4th rate
	S 89°.17' E on south boundary sec. 33
	Va. 14°.04' E.
40.08	1/4 sec. cor. a post 4x2½ ins. marked S. C. 1/4 S. on N. face set in mound Rebuild mound making 1½ ft. high 3½ ft. base and clean out pits E. and W. of cor. 5½ ft. dist. making them 18x18x12 ins.
79.96	Cor. to Secs 33. and 34 good mound and pits with post 4 ins. square firmly set in mound and marked T 33 N. R 30 W. S. C. on N. S. 34. on E. and S 33 on W. face with 3 notches on each of

Exteriors T 32 N. R 30 W.

E. and W. faces
Land - Rolling
Soil - Sandy

S 89°.17' E. on South bound=
=ary Sec. 34
Va. 14°.04' E.

40.00 1/4 Sec. Cor. in poor condition
with ash stake 2 ins. square
4 ft. long in mound nearly
level with the ground
and marked S. C. 1/4 S. on
80.0 N. face - Rebuilt mound
making it 1 1/2 ft. high 3 1/2 ft.
base and cleaned out pits E
and W. of Cor. 5 1/2 ft. dist.
making them 18 x 18 x 12 ins
79.91 The Cor. to Secs. 34 and 35 a
mound and post in poor
condition

Exteriors T 32 N. R 30 W.

Clean out pits N. E. and
W. of Cor. 5 1/2 ft. dist ma=
=king them 18 x 18 x 12 ins.
and rebuild mound making
it 2 ft. high 4 1/2 ft base a=
=round post 4 ins. square
4 ft. long marked.
T 33 N. R 30 W. S. C. on N.
S 35. on E. and
S 34 on W. face with 2
notches on E. and 4 notches
on W. face
Land. - Hilly
Soil - Sandy B' and 4 W rate.

Chains	
	S 89° 17' E. on South bound=-ary Sec. 35 Va. 14° 04' E.
39.93	1/4 Sec. Cor. a mound partially obliterated with pits nearly filled up, a post 3 ins. square 4 ft. long in mound and marked S.C. 1/4 S. on N. face I clean out pits E. and W. of Cor. 5 1/2 ft. dist. making them 18 x 18 x 12 ins. rebuild mound around post making it 1 1/2 ft. high 3 1/2 ft. base
79.90	The Cor. to Secs. 35 and 36 a post in mound in fair condition clean out pits N. E. and W. of Cor. 5 1/2 ft. dist. making them 18 x 18 x 12 ins. and rebuild mound ma=-king it 2 ft. high 4 1/2 ft. base around post 4 ins. square 4 ft. long

marked
T33N. R30W. S.C. on N.
S36. on E. and
S35 on W. face with 1
notch on E and 5
notches on W. face
Sand, Hilly and broken
Soil - 3d Land 4th rate.

Exteriors T32 N. R30 W.

Chains	Chains	
		S 89°.17' E. on South boundary Sec. 36.
40.00		Va. 14°.04' E.
	40.00	1/4 Sec. Cor. nearly obliterated with pits and post — Clean out pits E. and W. of Cor. 5½ ft. dist. making them 18 x 18 x 12 ins. and rebuild mound around post making it 1½ ft. high 3½ ft. base around post 4 ft. long 3 ins. Square marked S. C. 1/4 S. on N. face
80.0	79.91	The Cor. to Tps. 33 N. Ranges 29 and 30 W. a mound pits. and post all in good condition — Post 5 ins. Square 5 ft. long above mound and marked T33N S.6 on N R29W. S.31 on E. and R30W. S.36 on W. face with 6 notches on N.

Exteriors T32 N. R30 W.

E. and W. faces
Land — Hilly and broken
Soil — Sandy 3rd and 4th rate

Thence in T33 N. R29 W.
S 89°.17' E on South boundary Sec. 31
Va. 14°.04' E.

45.8	Right bank of Niobrara River in 4 ft current quicksand bottom and about 4 ft. deep The meander Cor. at this point is partially obliterated and no stake or similar mark — I rebuild mound making it 2 ft. high 4½ ft. base and 8 lks. W. of M. Cor. dig pit 3 ft. Square 1 ft. deep. In pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked M. C. with T33 N. R29 W. S31 on

Exteriors T 32 N. R 30 W

Chains	
	N. face
	T 32 N. R 30 W. S 1 on S. face
	From this Cor. the old bear=
	=ing tree an Elm 28 ins. di=
	=am distinctly marked
	bears N. 7 2° W. 21 lks dist
16.82	The old meander Cor. on
	Left bank of Shotwara
	River - This Cor. is nearly
	obliterated with no stake
	or post. I rebuild mound
	making it 2 ft. high 4½
	ft. base and clean out
	pit 8 lks. E. of Cor. making
	it 3 ft. square and 1 ft. deep
	In pit drove stake 2 ft.
	long 2 ins. square 12 ins. in
	the ground marked M.
	C. with
	T 33 N. R 29 W. S. 31 on N. and
	T 32 N. R 30 W. S 1 on S face.
	Found bearing tree a pine
	10 ins. diam bears from Cor

Exteriors T 32 N. R 30 W.

	S 23¼° W 23 lks dist.
	as the marks are indistinct
	on this tree I remark the
	Same as follows:
	T 32 N. R 30 W. S. 1 M. C. B. T.
40.07	¼ Sec. Cor. in poor Condition
	I rebuild mound ma=
	=King it 1½ ft. high 3½ ft.
	base and dig pits E. and
	W. of Cor. 5½ ft. dist. 18 x 18
	x 12 ins. In E. pit drove
	stake 2 ft. long 2 ins. square
	12 ins. in the ground marked
	S. C. ¼ S. on N. face
65.47	The Closing Cor. to Tps. 32 N.
	Ranges 29 and 30 W. descri=
	=bed at pages 12 and 13.
	Land - Hilly and broken
	Soil - Sandy 3° and 4th rate
	Timber - Scattered pine with
	occasional Cottonwood Elm
	and Hackberry with some
	underbrush.
	November 5 1881

Names and duties of assistants

W. T. Richardson Compassman
Geo. W. Lawson Chainman
Robert B. Rutherford Chainman
Geo. E. Richtmyer Roundman
John W. Herman Roundman
Ed. F. Ward Flagman

Index to work at page 0

For preliminary oaths of assistants see first book Survey of T 30 N. R 31 W.

Subdivisions T32N. R30W.

Chains	
	As I have already traced the S. and E. boundaries of this Tp. I commence at once to Subdivide the same. Survey Commenced Nov 6th 1881 with a W. and L. E. Gurley's Railroad Compass Commencing at the Cor. to Secs 1, 2, 35 and 36 on the South boundary of the Tp. previously described. Thence I run North bet. secs. 35 and 36 Va. 13° 10' E.
	In sand hills
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 6½ ft. dist. and raise mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face

Subdivisions T32N. R30W.

Chains	
46.00	Leave sand hills bearing E. and W. and enter rolling prairie
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 25, 26, 35 and 36, dug pits 18x18x12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked T32N. S. 25 on NE. R30W. S. 36 on SE. S 35 on SW. and S 26 on NW. faced with 1 notch on each of S and E edges Land Rolling and hilly Soil 2d & 4th rate
	East on a random line bet. secs. 25 and ~~26~~ 36 Va. 13° 00' E

Subdivisions T 32 N. R 30 W.

Chains	
40.00	Set temporary ¼ Sec. Cor.
80.00	Intersect E. boundary of Township 50 lks. S. of Cor. to Secs. 25. 30, 31 and 36 described at page 2
	Thence I run S 89° 39' W. on a true line bet Secs 25 and 36 with same var,
40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor, dug pits 18×18×12 ins, E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on N. face
80.00	The Cor. to Secs 25, 26, 35 and 36 Sand Rolling Soil – 2d rate

Subdivisions T 32 N. R 30 W.

Chains	
	North bet. Secs. 25 and 26 Var. 13° 10' E
40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18×18×12 ins N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs 23. 24. 25 and 26 dug pits 18×18×12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins Square 12 ins. in the ground marked T 32 N. S. 24 on NE. R 30 W. S. 25 on SE S 26 on SW. and S. 23 on NW. faces with 1 notch on E and 2 notches on S. edge

Chains	
	Land – Rolling Soil – 2d rate
	East on a random line bet. secs. 24 and 25. Va 14°. 15' E.
40.00	Set temporary ¼ sec. Cor.
80.44	Intersect E. Boundary of Township 77 lks. S. of Cor. to Secs 19 24 25 and 30 described at page 4
	Thence I run S 89°. 27' W. on a true line bet. Secs. 24 and 25 with Same Va,
40.22	Deposited Charred stake 12 ins in the ground for ¼ sec. Cor. dug pits 18×18×12 ins. E. and W. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
80.44	The Cor. to Secs. 23. 24. 25 and 26 Land – Rolling

Chains	
	Soil – 2d rate.
	North bet. Secs. 23 and 24 Va. 13°. 00' E.
40.00	Deposited Charred stake 12 ins. in the ground for ¼ sec Cor. dug pits 18×18×12 ins. N. and S. of Cor. 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on W. face.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 13. 14. 23. and 24 dug pits 18×18×12 ins. in each Sec. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins.

Subdivisions T32 N. R30 W

Chains	Chains	
		Square 12 ins. in the ground marked T32 N. S. 13 on N.E. R30 W. S. 24 on S.E. S 23 on S.W. and S 14 on N.W. faces with 1 notch on E. and 3 notches on S. edge Land – Rolling Soil – 2d rate
40.00		East on a random line bet. secs. 13 and 24 Va. 14° 20' E.
	40.00	Set temporary 1/4 sec. cor.
	80.74	Intersect E. boundary of township 30 lks N. of cor. to Secs. 13 and 24 described at page 5
80.00		Thence I run N. 89° 47' W. on a true line bet. secs 13 and 24 with same va.

Subdivisions T32 N. R30 W.

Chains	
40.37	Deposited charred stake 12 ins. in the ground for 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.74	The cor. to Secs. 13, 14, 23 and 24 Land – Rolling and hilly Soil – 2d and 3d rate
	North bet. secs. 13 and 14 Va. 12° 45' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 sec. cor. dug pits 18 x 18 x 12 ins. N. and S. of cor. 5½ ft. dist. and raised

Subdivisions T 32 N. R 30 W.

Chains	
	mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 11, 12, 13 and 14 dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 32 N. S. 12 on N E. R 30 W. S. 13 on S E S 14 on S W. and

Subdivisions T 32 N. R. 30 W.

Chains	
	S 11 on N W. faces with 1 notch on E. and 4 notches on S. edge. Land Rolling Soil — 1st rate
	East on a random line bet. secs. 12 and 13 Va. 14° 10' E.
40.00	Set temporary 1/4 sec. Cor.
80.62	Intersect the E. boundary of the township 18 lks. S. of Cor. to secs. 12 and 13. described at page 7.
	Thence I run S 89° 52' W. on a true line bet. secs 12 and 13 with same va
40.31	Deposited charred stake 12 ins. in the ground

Chains	
	for 1/4 sec. Cor. dug pits 18 x 18 x 12 ins E. and W. of Cor. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80.62	The Cor. to Secs. 11, 12, 13 & 14
	Land — Rolling
	Soil 2d rate
	North bet. secs. 11 and 12
	Va. 12° 45' E
40.00	Deposited charred stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18 x 18 x 12 ins. North S. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In W. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground

Chains.	
80.00	marked 1/4 S. on W. face Deposited charred stake 12 ins. in the ground for Cor. to Secs. 12, 11 and 12 dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. In S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 32 N. S. 1 on N E. R 30 W. S. 12 on S E. S 11 on S W. and S 2 on N W. faces with 1 notch on E. and 5 notches on S. edge
	Land — Rolling
	Soil. — 1st rate.
	East on a random line bet. secs. 1 and 12.
	Va. 14° 10' E.
40.00	Set temporary 1/4 Sec. Cor.
40.50	Black Hills road bears N W and S E

Chains	
80.38	Intersect the east boundary of the township 64 lks. S. of Cor. to Secs 1 and 12 described at page 8
	Thence I run
	S 89°, 33' W. on a true line bet. secs 1 and 12 with Same va.
40.19	Deposited charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.38	The cor. to Secs. 1, 2, 11 and 12
	Land — Rolling
	Soil — 2d rate.
	North on a true line bet. Secs. 1 and 2 to intersect 8th Standard Parallel
	Va. 13°, 00' E.
13.50	Brow of Steep bluff about 300 ft. high. Enter pine and cedar timber

Chains	
	Course E.
25.75	Bottom of deep draw
28.60	Road to Black Hills near foot of very steep hill ascending toward E.
30.00	Enter Niobrara River bottom covered with plum and willow underbrush scattering cottonwood
37.60	Right bank Niobrara River. Deposited a charred stake 12 ins. in the ground for Meander Cor. to Fractional Secs. 1 and 2 dug a pit 3 ft. square 1 ft. deep 8 lks. S. of Cor. and raised a mound of earth 2 ft. high 4½ ft. base over it. In pit drove a stake 2 ins. Square 2 ft. long 12 ins. in the ground marked M. C. with
	T 32 N. on S.
	R 30 W. S1 on E. and
	S 2 on W. faces
	Niobrara River is a swift running stream bank 4 to 7 ft. high and sandy bottom with frequent quicksands
	Course N 70° E.

Subdivisions T 32 N. R 30 W.

Chains

I now set flag in line on Left bank of Niobrara river, go across to flag ~~and~~ and run a base line at right angles to true line 3 chs. E. I now go to E. extremity of base line and find the bearing from that point to meander Cor. on Right bank of River is S 12° 15' W which gives for distance across river 13.82 chs making

51.42 Left bank Niobrara River. Deposited Charred Stake 12 ins. in the ground for meander cor. to fractional secs. 1 and 2 dug a pit 3 ft square 1 ft. deep 8 lks. N. of cor and raised a mound of earth 2 ft. high 4½ ft. base over it. In pit drove a stake 2 ins square 2 ft. long 12 ins. in the ground marked M. C. with T 32 N. on S. R 30 W. S 1 on E. and S 2 on W faces

Subdivisions T 32 N. R 30 W.

Chains.

65.45 Intersect 8th Standard Parallel 15.20 chs. W. of Standard Cor. to townships 33 N. Ranges 29 and 30 W. described at page 31 At intersection Deposited Charred Stake 12 ins. in the ground for closing Cor. to Secs 1 and 2 dug pits 18x18x12 ins. E. W. and S. of Cor. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked C. C. T 32 N. R 30 W on S. S 1 on E. and S 2 on W. faces with 1 notch on E. and 5 notches on W. face

Land – Hilly, broken and level

Soil – 2d to 4th rate

Timber – Pine cedar and cottonwood – 24.10 chs. – Underbrush of willow and plum

November 6th 1881.

Subdivisions T 32 N. R 30 W.

Chains

From the Cor. to Secs. 2, 3, 34 and 35 on the South boundary of the township described at page 27 Survey of T 31 N. R. 30 W.

I run

North bet. Secs. 34 and 35

Va. 13.° 10' E.

In low sand hills.

30.00 Leave low sand hills bearing S W and enter rolling prairie

40.00 Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins, N. and S. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face

80.00 Deposited charred stake 12 ins. in the ground for Cor. to Secs. 26, 27, 34 and 35 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base

Subdivisions T 32 N. R 30 W.

Chains.

over it. In S E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked

T 32 N. S. 26 on N E.

R 30 W. S 35 on S E.

S 34 on S W. and

S 27 on N W. faces with 1 notch on S. and 2 notches on E. edge

Land — Rolling and hilly

Soil. — 2d and 3d rate.

East on a random line bet. Secs 26 and 35

Va. 14.° 10' E.

40.00 Set temporary 1/4 Sec. Cor.

79.94 Intersect N. and S. line 65 lks. S. of Cor. to Secs. 25, 26, 35 and 36

Thence I run

S 89.° 32' W. on a true line bet. Secs. 26 and 35 with Same Va. 14° 10'

39.97 Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of cor.

Chains

5½ ft dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On E. pit above stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face

79.94 The cor. to Secs. 26, 27, 34 and 35 —
Land — Rolling
Soil. — 2d rate.

North bet. secs. 26 and 27
Va. 13° 10' E.

40.00 Deposited Charred stake 12 ins in the ground for 1/4 Sec. cor. dug pits 18X18X12 ins. N. and S. of cor. 5½ ft dist and raised mound of earth 1½ ft. high 3½ ft. base over it. On N. pit above stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face

80.00 Deposited charred Stake 12 ins. in the ground for cor. to Secs. 22, 23, 26 and 27 dug pits 18X18X12 ins

Chains.

in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft base over it. On S E. pit above stake 2 ft. long 2 ins. Square 12 ins. in the ground marked
T. 32 N. S 23 on N E.
R 30 W. S 26 on S E.
S 27 on S W. and
S 22 on N W. faces with 2 notches on each of S. and E. edges.
Land. Rolling
Soil. — 2d rate.

East on a random line bet. secs. 23 and 26
Va. 14° 20' E.

40.00 Set temporary 1/4 Sec. cor.

79.28 Intersect N. and S. line 24 lks. S. of Cor. to Secs. 23, 24, 25 and 26
Thence I run
S 89° 50' W. on a true line bet. Secs. 23 and 26 with same va.

39.64 Deposited charred stake 12 ins.

Subdivisions T 32 N. R 30 W.

Chains	
	in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
79.28	The Cor. to Secs. 22, 23, 26 and 27
	Land — Rolling
	Soil. — 2d and 3d rate.
	North bet. Secs. 22 and 23.
	Va. 13° 25' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs 14,

Subdivisions T 32 N. R 30 W.

Chains	
	15, 22 and 23. dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked
	T 32 N. S. 14 on N.E.
	R 30 W. S. 23 on S.E.
	S 22 on S.W. and
	S 15 on N.W. faces with 2 notches on E. and 3 notches on S. edge.
	Land. — Rolling
	Soil. — 1st. rate.
	East on a random line bet. Secs 14 and 23 with [illegible]
	Va. 14° 20' E.
40.00	Set temporary 1/4 Sec. Cor.
79.50	Intersect N. and S. line at Cor. to Secs. 13, 14, 23 and 24
	Thence I run

Subdivisions T 32 N. R 30 W.

Chains	
	West on a true line bet. secs. 14 and 23 with same va.
39.75	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
79.50	The cor. to secs. 14, 15, 22 and 23.
	Land, — Rolling
	Soil, — 1st. rate sandy loam
	North bet. secs. 14 and 15 va. 13° 10' E.
17.50	Brow of cliff descend about 80 ft. course of cliff NE. scattering pines
19.63	Foot of nearly perpendicular cliff about 60 ft. high course NW.
20.00	Top of bank leave timber
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. cor.

Subdivisions T 32 N. R 30 W.

Chains.	
	dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raise mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
67.70	Brow of cliff - commence steep descent of about 350 ft. Toward Snake Creek - Course of cliff N 80° E,
77.50	Enter pine and cedar timber at 77.70 is Snake Creek 70 lks wide course N 5° E and as the best ground for Cor. is on W. side I offset W. 145 lks across creek and at
80.00	Offset back 60 lks. to point 30 lks W. of water edge on top of bank about 20 ft. above surface of creek; as the creek here is about 110 lks wide and the Cor. to secs. 10, 11, 14 and 15 falls in creek, at this point which is 85 lks. due W. of Cor.

Subdivisions T 32 N. R 30 W.

Chains

Deposited Charred stake 12 ins. in the ground for Witness Cor. to Secs. 10, 11, 14 and 15 dug pits 18X 18X12 ins. NE. SE. SW. and NW. of Cor. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked

Et

T 32 N. S 11 on NE.
R 30 W. S 14 on SE.
S 15 on SW. and
S 10 on NW. faces with 2 notches on E. and 4 notches on S. edge

From this Cor.

a Cedar tree 18 ins. diam bears S. 89° W 174 lks dist marked T 32 N. R 30 W. S. 15 B. T.

a cedar 20 ins. diam. bears W 1¼° W. 77 lks. dist marked T 32 N. R 30 W. S. 10 B. T.

Subdivisions T 32 N. R 30 W.

Chains

No other trees in limits
Land – Broken & hilly
Soil. – 4th rate.
Timber – Cedar and pine 14.80 chs. considerable of it fallen

East on a random line bet. Secs 11 and 14
Va. 14°. 20' E.
as the random line E. runs from Cor. in creek and thence up steep precipitous gorge about 300 ft. high impossible to chain I set over Witness Cor. 85 lks. W. of true Cor. to Secs. 10, 11, 14 and 15, and set flag on random line on E. ~~Side~~ of gorge, I then run base from Witness Cor. 330 lks. long at an angle with random line of 123°, 10' this being the best base attainable. From the end or extremity of base line

Chains	
	I find the angles of base line with line joining said extremity and flag point on E. side of gorge is 43°35' which gives by calculation the distance from Witness Cor. to flag point aforesaid 9.93 chs. — deducting 85 lks., dist. from Witness Cor. to true Cor. gives
9.08	Flag point on E. side of gorge - Leave E. side of gorge bears N and S. — and timber and enter rolling prairie
40.00	Set temporary 1/4 Sec. Cor.
80.14	Intersect N. and S. line 18 lks. S. of Cor. to Secs. 11, 12, 13 and 14
	Thence I run S 89° 52' W. on a true line bet. Secs. 11 and 14 with same va.
40.07	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth

Chains	
	1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face.
80.14	The Cor. to Secs. 10, 11, 14 and 15
	Land - In gorge hilly and broken prairie rolling
	Soil — 1st to 4th rate
	Timber. Pine and Cedar 9.08 chs.

North bet. Secs. 10 and 11
va. 12° 50'

To avoid brush and fallen timber I offset W. from Witness Cor. to secs. 10, 11, 14 and 15 — 82 lks making 167 lks. W. of true Cor. The true line follows close to edge of creek and at about 9 chs. commences steep ascent of side of gorge and attains the brow of gorge bearing NE. in about 26 chs. and enters rolling prairie with isolated

Chains	
	scattering pines
40.00	Offset back to line 167 lks and Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 2, 3, 10 and 11 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 32 N. S. 2 on N.E. R 30 W. S 11 on S.E. S 10 on S.W. and

Chains	
	S 3 on N.W. faces with 2 notches on E. and 5 notches on S. edge Land. - Rolling to hilly and broken Soil - 3d rate. Timber cedar and pine 26 ins.
	East on a random line bet. Secs. 2 and 11 Va. 14° 25' E.
36.00	Edge of timbered ravine about 80 ft. deep
38.50	Bottom of short ravine course NE into Snake valley set temporary 1/4 Sec. Cor.
40.00	Top of bank in narrow ridge
41.50	course N.
42.00	Brow of Snake Creek gorge course N 50° E as the line at this point descends steep gorge crosses Snake Creek at about 53 chs which is here about 90 lks

Chains

wide and flows with a swift current NE), and thence up side of gorge on opposite side, to avoid chaining across gorge and creek. I set flag in line on E. side of gorge, and run a base line 460 lks. long at an angle with line of 69° (this being the most available), go to extremity of base line and find the angle of said base line with line joining its extremity and flag point on E. side of gorge is 103° 25' which gives by calculation the distance to flag 33.90 chs. making

75.90 Brow of gorge bears North leave timber and enter prairie

80.60 Intersect N. and S. line 58 lks. S. of cor. to Secs. 1, 2, 11 and 12.

Thence Draw

S 89° 35' W. on a true line bet. secs 2 and 11 with same va.

40.30 Set sandstone 20 x 6 x 6 ins. 16 ins

Chains

in the ground marked 1/4 on N. face for 1/4 Sec. cor. from which a pine 8 ins. diam bears S 8¾° E. 28 lks. dist. marked 1/4 S. B. T. a pine 9 ins. diam bears N 48½° E. 88 lks. dist. marked 1/4 S. B. T.

80.60 The Cor. to Secs. 2, 3, 10 and 11

Land — Hilly and broken

Soil — 2d to 4th rate —

Timber — Pine and cedar

39.90 chs.

North on a true line bet. secs. 2 and 3 to intersect 8th Standard Parallel va. 12° 50' E.

7.50 Brow of bluff course E. about 350 ft. high descend through scattering pine timber

22.00 Foot of bluff on Niobrara River valley course E. leave pines and find scattering cottonwood of small size

Subdivisions T 32 N. R 30 W

Chains	
23.00	Black Hills road course E and W.
26.00	Slough 6 lks. wide course N 80° E.
31.00	Road cut off from main Black Hills road
33.44	Right bank Niobrara River Deposited Charred stake 12 ins. in the ground for meander Cor. to fractional Secs. 2 and 3 dug a pit 3 ft. square 1 ft. deep 8 lks. S. of Cor. and raised a mound of earth 2½ ft. high 3½ ft. base over it. In pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked M. C. with T 32 N. on S R 30 W. S 2 on E. and S 3 on W. faces

From this meander cor. I set flag in line bet. secs 2 and 3 on left bank of River, cross to flag and thence run a base line W. 2. chs. from the end or E. extremity of which base line meander Cor. on Right

Subdivisions T 32 N. R 30 W.

Chains.	
	bank of river bears S 21° 30' E which gives by calculation the distance across river 5.08 chs. therefore at
38.52	Deposited Charred stake 12 ins. in the ground for meander Cor. to secs. 2 and 3. dug a pit 3 ft. square 1 ft deep 8 lks. N. of Cor. and raised a mound of earth 2 ft. high 4½ ft. base over it. In pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked M. C. with T 32 N. on S R 30 W. S 2 on E. S 3 on W. faces.
40.00	Deposited Charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in

Subdivisions T32 N. R30 W.

Chains

67.44 the ground marked 1/4 S. on N. face
In Intersect the 8th Standard Par=
=allel 15.94 chs. W. of the Stand=
=ard Cor. to Secs. 35 and 36 T33 N.
R 30 W. described at page 30
Deposited Charred stake 12 ins.
in the ground for Closing Cor. to
Secs. 2 and 3 dug pits 18X18X12
ins. S. E. and W. of Cor. 5½ ft. dist.
and raised mound of earth 1½ ft.
high 3½ ft. base over it. In E.
pit drove stake 2 ft. long 2 ins.
Square 12 ins. in the ground
marked
C. C. T.32 N. R30 W. on S.
S 2 on E. and
S 3 on W. faces with 2 notches
on E. and 4 notches on W. face
Land – Level – rolling and
hilly
Soil – 1st to 4 rate.
Timber pine slim growth 14.50 chs.
November 7, 1881

Subdivisions T32 N. R30 W.

Chains.

From the Cor. to Secs. 3.4. 33. and 34
on the South boundary of Town=
=ship described at page 28
Survey of T31 N. of R30 W.
Run
North bet. Secs. 33 and 34.
Va. 13°15' E.
40.00 Deposited Charred stake 12 ins.
in the ground for ¼ Sec. Cor. dug
pits 18X18X12 ins. N. and S. of Cor. 5½
ft. dist and raised mound of earth
1½ ft. high 3½ ft. base over it. In
N. pit drove stake 2 ft. long 2 ins.
Square 12 ins. in the ground
marked ¼ S. on W. face
80.00. Deposited Charred stake 12 ins.
in the ground for Cor. to Secs. 27.
28, 33 and 34 dug pits 18X18X12
ins. in each sec 5½ ft. dist and
raised mound of earth 2 ft high
4½ ft. base over it. In S.E. pit
drove stake 2 ft. long 2 ins. Square
12 ins. in the ground marked

Subdivisions T 32 N. R 30 W.

Chains

T 32 N. S 27 on N E.
R 30 W. S 34 on S E.
S 33 on S W. and
S 28 on N W. faces with 1
notch on S. and 3 notches on E.
edges
Land — Hilly
Soil. — 2d rate.

East on a random line bet. secs
27 and 34
Va. 14°. 10' E.

36.00 Line pine 10 lks S. of line
40.00 set temporary 1/4 Sec. cor.
80.20 Intersect N. and S. line 56.
2 lks. S. of Cor. to Secs. 26, 27, 34 and 35
Thence Draw
S 89°. 36' W. on a true line bet.
secs. 27 and 34 with same Va.
40.10 Deposited Charred stake 12 ins. in
the ground for 1/4 Sec. Cor. dug
pits 18 x 18 x 12 ins. E. and W. of Cor.
5 1/2 ft. dist. and raised mound

Subdivisions T 32 N. R 30 W.

Chains.

of earth 1 1/2 ft. high 3 1/2 ft. base
over it. On E. pit drove stake 2
ft. long 2 ins. Square 12 ins. in
the ground marked 1/4 S. on N.
face
80.20 The Cor. to Secs. 27, 28, 33 and 34
Land — Hilly
Soil. — 3d rate.

North bet. secs. 27 and 28
Va. 13°. 10'. E.

40.00 Deposited Charred stake 12 ins.
in the ground for 1/4 Sec. Cor. dug
pits 18 x 18 x 12 ins. N. and S. of Cor. 5 1/2
ft. dist. and raised mound of earth
1 1/2 ft. high 3 1/2 ft. base over it. On
N. pit drove stake 2 ft. long 2
ins. Square 12 ins. in the ground
marked 1/4 S. on W. face
62.80 Brow of gorge descend about
350 ft. through pine and cedar
timber to

Subdivisions T 32 N. R 30 W.

Chains	
70.00	Right bank Snake Creek 210 lks wide flows N 5° E. following along steep side hill at
80.00	Deposited Chained stake 12 ins. in the ground for Cor. to Secs 21, 22, 27 and 28 dug pits 18×18×12 ins. in each sec, 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked
36.0	T 32 N. S. 22 on N E,
40.0	R 30 W. S 27 on S E
80.	S 28 on S W. and
	S 21 on N W. faces with 2 notches on S and 3 notches on E. edge – From this Cor.
40.	a pine 11 ins. diam bears N ½° E. 226 lks dist marked T 32 N. R 30 W. S 22 B. T.
	an Elm 13 ins. diam bears S 13½° E 124 lks. dist. marked

Subdivisions T 32 N. R. 30 W.

Chains	
	T 32 N. R 30 W. S. 27 B. T.
	a Cedar 16 ins. diam, bears S 44°. 50' W 114 lks dist. marked T 32 N. R 30 W. S 28 B. T.
	No other trees in limits.
	East on a random line bet. Secs. 22 and 27 Va. 14° 25' E.
0.70	Left bank Snake Creek 100 lks. wide flows N W.
	To avoid 2 crossings of Snake creek, interminable brush of fallen timber and precipice and steep ascent about 300 ft. high, ~~at~~
6.04	offsett S. 362 lks at right angles to random line, go to extremity of offsett line and find the angle between offsett line and line joining its extremity and flag previously set on E. side

Subdivisions T32N. R30W.

Chains	
	of gorge is 75°55' which gives by calculation 14.43 chs. dis=tance to flag point and therefore
20.47	Brow of bluff on E. side Leave timber and enter prai=rie.
40.00	Set temporary 1/4 Sec. Cor.
80.50	Intersect N. and S. line 58 lks. S. of Cor. to Secs. 22, 23, 26 and 27. Thence N rem S 89°35' W. on a true line bet. Secs. 22 and 27, with Same Va.
40.25	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high and 3½ ft. base over it. In E pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.50	The Cor. to Secs. 21, 22, 27 and 28.

Subdivisions T32N. R30W.

Chains	
	Land — From rolling prairie to hilly and broken Soil — 1st to 4th rate.
	North bet. Secs. 21 and 22 Va. 13°15' E.
12.00	Brow of hill enter rolling ground and scattered pines
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins Square 12 ins. in the ground marked 1/4 S. on W. face. From which Cor. a pine 13 ins. diam bears S 19° W. 25 lks. dist marked 1/4 S. B. T. No other tree in limits
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 15, 16, 21 and 22. dug pits 18x18x12

Subdivision T 32 N. R 30 W.

Chains	Chains	
		ins. in each cor, 5½ ft. dist, and raised mound of earth 2 ft. high 4½ ft. base over it. In S'E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked.
20.4		T 32 N. S 15 on NE,
		R 30 W. S 22 on S'E.
40.		S 21 on S'W. and
80.		S 16 on N'W. faces with 3 notches on each S' and E. edge.
		From which cor,
		a pine 12 ins. diam. bears N 58½ W. 133 lks. dist. marked T 32 N. R 30 W. S 16 B. T. no other tree in limits
40.2		Land — Rolling
		Soil — 2d and 3d rate;
		Scattered cedar and pine 9 chs. — pine the whole length of line
		East on a random line bet. secs 15 and 22
		Var. 14° 30' E.
80.2	40.00	set temporary ¼ sec. cor.

Subdivision T 32 N. R 30 W.

Chains	
55.02	Brow of bluff — enter scattered pine and cedar. as the gorge here is precipitous on both sides — the line crossing snake creek at 60 chs., here about 70 lks. wide flowing NE. — I set flag on line on E. side of gorge, then measure a base of 502 lks. which makes an angle with random line of 116° 50' (this being the best base to be had) go to extremity of base line and find the angles between said base and the line joining said extremity and flag point on E. side of gorge is 51° 20' which gives by calculation the dist. across gorge = 19.11 chs. making therefore
74.13	Flag point on E. side of gorge ~~bar of gorge~~ leave timber bears N. and enter rolling prairie
80.08	Intersect N. and S' line 37 chs S. of cor. to secs 14, 15, 22 and 23.

Chains	
	Thence I run S 89°. 44' W. on a true line bet. secs. 15 and 22 with same va.
40.04	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face. From this Cor.
	a pine 20 ins. diam. bears S 50 E. 157 lks. dist. marked 1/4 S. B. T.
	No other tree in limits
80.08	The Cor. to Secs. 15, 16, 21 and 22
	Land — Rolling to hilly and broken
	Soil — 2d to 4th rate
	Timber — Pine and cedar in gorge balance pine — 75 chs.

Chains.	
	North bet. secs. 15 and 16. va. 13° 15' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face.
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 9, 10, 15 and 16 dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T 32 N. S. 10 on N.E. R 30 W. S. 15 on S.E. S 16 on S.W. and S 9 on N.W. faces with 3 notches

Chains

on E, and 4 notches on S. edge
From this Cor,
a pine 15 ins. diam bears N 67½ E.
207 lks. dist. marked T32N,
R30W. S. 10 B. T.. No other tree in
limits
Land — Rolling
Soil — 3d rate.
Timber — Scattered pines more
or less 80 chs.

East on a random line bet,
secs 10 and 15 —
Va. 14° 30' E.

=40.

40.00 Set temporary ¼ Sec. Cor.

60.00 Descend steep precipitous hill
toward Snake Creek

79.71 Point 16 lks S. of Witness Cor,
to Secs 10. 11. 14, and 15, as Witness
is 85 lks due West of true Cor,
this gives

80.56 Intersect N. and S. line 16
lks. S. of Cor. to Secs 10. 11. 14 and 15 —

80.

Chains.

Thence S. run.
S 89° 53' W. on a true line bet,
Secs. 10 and 15 with Same Va.

40.28 Deposited charred stake 12
ins. in the ground for ¼ Sec. Cor
dug pits 18X18X12 ins. E. and W. of
Cor. 5½ ft. dist. and raised mound
of earth 1½ ft. high 3½ ft. base over
it, In 6 bit drove stake 2 ft long 2 ins Square 12 in
in to ground marked 1/4 S 10 on N face

80.56 The Cor. to Secs. 9, 10, 15 and 16
Land — Rolling
Soil — 3d rate
Timber — Pine more or less
Scattered the whole length 80 chs.

North bet. sec cr. 9 and 10,
Va. 12° 45' E

40.00 Deposited Charred stake 12 ins,
in the ground for ¼ sec. cor. dug
pits 18X18X12 ins. N. and S. of cor. 5½
ft. dist. and raised a mound
of earth 1½ ft. high 3½ ft. base

Chains	
	over it. In N. pit arrow stake 2 ft. long 2 ins Square 12 ins. in the ground marked 1/4 S. on W. face
66.00	Brow of hill descend about 200 ft. to
77.00	Foot of hills bears S W. in Niobrara valley
79.00	Black Hills road bears S 70° W
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 3. 4. 9 and 10 dug pits 18X 18X12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S E. pit arrow stake 2 ft. long 2 ins. Square 12 ins. in the ground marked. T 32 N. S 3 on NE, R 30 W. S. 10 on SE, S 9 on SW. and S 4 on NW. faces with 3 notches on E. and 5 notches

Chains.	
	on S. edges. Land — Hilly and rolling Soil — 2d and 3d rate. Timber. - Scattered pine 80. cks.
	East on a random line bet. Secs. 3 and 10, Va. 14° 30' E.
12.50	Road to black hills course S 70° W.
13.00	Foot of bluffs course S 80° W. Commence ascent over badly broken ground
40.00	Set temporary 1/4 Sec. Cor.
80.70	Intersect N. and S line at Cor. to Secs. 2. 3. 10. 11 about 500 ft. above level of valley Thence Drew West on a true line bet. Secs. 3 and 10 with Same Va.
40.35	Deposited Charred stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raise mound of earth 1½ ft. high 3½ ft base

Chains

over it, In E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face

80.70 The cor. to Secs. 3. 4. 9 and 10. Sand. Hilly and broken ex=cept in valley which is level Soil — 2d to 4th rate. Timber — more or less Scattered pine 80 chs.

North on a true line bet. Secs. 3 and 4 to intersect 8th Standard Parallel
W. 1° 45' E.

1.90 Right bank Niobrara River Deposited Charred stake 12 ins. in the ground for Meander Cor. to Fractional Secs. 3 and 4, dug a pit 3 ft. square 1 ft. deep 8 lks S. of cor. and raised a mound of earth 2 ft. high 4½ ft. base over it. In pit drove stake 2 ft. long 2 ins

Chains.

Square 12 ins. in the ground marked M. C. with
T 32 N. on S'
R 30 W. S. 3 on E. and
S 4 on W. faces
I now set flag on line bet. Secs 3 and 4 on left bank of Niobrara river, cross river and from flag point on left bank run base line due W. 4 chs. in length from the extremity of which base line the Meander Cor. on Right bank of River bears S 17° 20' E which gives by Calculation 12,82 chs the dist. across river, therefore at

14.72 Deposited Charred stake 12 ins. in the ground for Meander Cor. to fraction=al Secs. 3 and 4 dug pit 3 ft. Square 1 ft deep 8 lks. N. of Cor. and raised a mound of earth 2 ft. high 4½ ft. base over it. In pit drove a stake 2 ft. long 2 ins. Square 12 ins. in the ground marked M. C.

Subdivisions T 32 N. R 30 W.

Chains	
	with
	T 32 N. on S.
	R 30 W. S 3 on E.
	S 4 on W. face
26.00	ascend through rolling ground
40.60	Set a Standstone 18 X 8 X 4 ins 13 ins in the ground for 1/4 Sec. Cor. marked 1/4 S on W. face and raised a mound of stone covered with earth alongside
68.48	Intersect the 8th Standard Parallel 16.68 chs. W. of Standard Cor. to Secs. 34 and 35 - T 33 N. R 30 W. described at page 28. Deposited Charred Stake 12 ins. in the ground for closing Cor. to Secs. 3 and 4 dug pits 18 X 18 X 12 ins. S., E. and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 2 ft. high 4 1/2 ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground mark=

Subdivisions T 32 N. R 30 W.

Chains	
	ed
	C. C. T 32 N. R 30 W. on S.
	S 3 on E. and
	S 4 on W. face with 3 notches on each of E. and W. faces.
	Land - Level to rolling
	Soil - 2d and 3d rate.
	November 8 1881.

Subdivisions T 32 N. R 30 W.

Chains	
	From the cor. to Secs. 4, 5, 32 and 33 on the South boundary of the town=ship described at page 30 Survey of T 31 N. R 30 W
	Draw
2	Starts bet. Secs. 32 and 33,
4	Va. 13° 15' E.
6.00	Brow of steep descent toward Snake Creek bears N E. descend about 250 ft. through pine timber, at
18.40.	To right bank Snake Creek 110 lks. wide flows with swift cur=rent over generally rocky channel N E
19.50	Commence ascending along steep bluff about 300 ft. high
29.00	Leave timber
32.00	Top of bluff.
	at 35.25 chs. the line descends over cliffs and thence along very steep side hill with more or less pine timber, to avoid this, at
35.00	I offset W. 5. chs.
40.00	Offset back 5. chs. down steep side

Subdivisions T 32 N. R 30 W.

Chains.	
	hill through pine and find rock cliff at place of cor. at exact point for cor. I mark the rock thus (+) 1/4 for 1/4 Sec. cor. from which cor.
	a pine 20 ins. diam. bears S 61½ W. 16 lks marked 1/4 S. B. T.
	A pine 13 ins. diam bears N 74¼° E 70 lks. dist. marked 1/4 S. B. T.
	as the line does not leave this steep side hill until about 55 chs. I resume offset line 5 chs. W. of true line and at
65.00	offset back to true line and leave timber except an occasional isolated pine
80.00	Deposited charred stake 12 ins. in the ground for cor. to Secs 28, 29 32 and 33. dug pits 18 X 18 X 12 ins in each sec. except Sec. 32 - in Sec. 32 dug pit 18 X 18 X 8 in (great=er depth impracticable on ac=count of rock) 5½ ft. dist and

Subdivisions T 32 N. R 30 W.

Chains	
	raised a mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit a cor stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 32 N. S. 28 on N.E., R 30 W. S. 33 on S.E. S 33 on S.W. and S 29 on N.W. faces with 1 notch on S. and 4 notches on E. edge Land – Rolling hilly and broken. Soil – 1st & 3d rate, Timber – Principally pine with occasional cedar 43. chs.
	East on a random line bet. secs. 28 and 33. Va. 14° 20' E. as this line at 19 chs. will descend into gorge about 350 feet deep through pine

Subdivisions T 32 N. R 30 W.

Chains	
	and cedar timber, and at about 24 chs. cross snake creek 6 & 1/2 lks wide flowing North at bottom of gorge, to avoid chaining across this gorge which is steep and precipitous at
18.64	set flag on line on E. side of gorge, then run base line 5 chs in length from random line at right angles thereto and find the angle between base line and line joining its extremity and flag point on E. side of gorge is 66°.45 which gives by calculation the distance across gorge 11.64 chs. making
30.28	Flag point on E. side of gorge, the same being top of bank leave limits and enter rolling prairie
40.00	set temporary 1/4 Sec. Cor.
80.40	Intersect N. and S. line 74 lks S. of Cor. to Secs. 27. 28. 33 and 34
	Thence I run

Chains	
	S 89.° 28' W. on a true line bet. secs. 28 and 33 with Same va.
40.20	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. E. and W. of Cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
80.40	The Cor. to Secs. 28. 29. 32 and 33.
	Land — Rolling hilly and broken
	Soil — 1st to 3d rate.
	Timber — Pine and Cedar 11.28 Chs.

Chains	
	North bet. secs 28 and 29 Va. 13.° 10' E.
29.00	Brow of hill descend about 200 ft. through pine timber into Canon Course N 78 E

Chains.	
33.72	as I intersect S. bank of small lake at 34.28 chs to avoid chain=ing through lake. I offset 1 ch. W. go to W extremity of offset line which is at right angles to true line and find the angle between said offset line and line joining said extremity and flag point previously set on true line on N. bank of lake is 68° 35' which gives by Calcu=lation dist. across lake 2.55 chs. making
36.27	North bank of lake trans E. and W. from 2 to 10 ft. deep no banks of any height extends E. about 10 chs. and W. about 30 chs. Commence ascending N. side of steep canon
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist and raised mound of earth

Chains

1½ ft high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face

From this Cor.,

a pine 12 ins. diam., bears S 81° E. 160 lks. dist. marked 1/4 S. B. T.

a pine 10 ins. diam., bears S 36° W 105 lks. dist marked 1/4 S. B. T.

Leave timber except ~~and~~ isolate pine occasionally and ascend steep side of Canon to

42.00 Top of slope about 300 ft. above bottom of Canon bears W.

80.00 Deposited charred stake 12 ins in the ground for Cor. to Secs. 20, 21, 28 and 29 dug pits 18X 18X12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft high 4½ ft. base over it. In SE. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked

Chains

T32 N. S. 21 on NE.,
R30W. S. 28 on SE.,
S 29 on SW. and
S 20 on NW. faces with 4 notches on E. and 2 notches on S. edge

From this Cor.,

a pine 23 ins. diam., bears S 40 1/4° W. 50 lks. dist. marked T32 N. R30W. S. 29 B. T. no other tree in limits

Land—Hilly and broken
Soil.—2d to 4th rate.

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

40.00 Set temporary 1/4 Sec. Cor.

73.00 Point of hill—bears N 30° E descend steep gorge to Cor. on left bank of Snake creek

80.56 Intersect N. and S. line 18 lks. S. of Cor. to Secs. 21, 22, 27 and 28

Thence S 0 rem

Chains	
	S 89° 52' W. on a true line bet. Secs. 21 and 28 with same Va.
40.28	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit over stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.56	The Cor. to Secs. 20. 21. 28 and 29
	Land — Rolling to hilly and broken
	Soil — 3d rate.
	North bet. Secs. 20 and 21 Va. 13° 15' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit over stake 2

Chains	
	ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 16. 17. 20. and 21 dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In N.E. pit over stake 2 ft. long 2 ins. Square 12 ins. in the ground marked.
	T 32 N. S. 16 on NE.
	R 30 W. S. 21 on SE.
	S 20 on SW. and
	S 17 on NW. faces, with 4 notches on E. and 3 notches on S. edge
	Lands. — Rolling
	Soil. — 3d rate
	East on a random line bet. Secs 16 and 21 Va. 14° 30' E.
40.00	Set temporary 1/4 Sec. Cor.

Subdivisions T 32 N. R 30 W.

Chains	
80.68	Intersect N. and S. line 60 lks. S. of Cor. to Secs. 15, 16, 21 and 22. Thence S. run S 89° 34' W. on a true line bet. Secs. 16 and 21 with Same Va.
40.34	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
80.68	The Cor. to Secs. 16, 17, 20 and 21
	Land — Rolling
	Soil. — 2d rate.
	North bet. Secs. 16 and 17 Va. 12° 55' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins N. and

Subdivisions T 32 N. R 30 W.

Chains.	
	S. of Cor. 5½ ft. dist, and raised mound of earth 1½ ft. high 3½ ft. base over it, On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on W. face
80.00	Deposited charred stake 12 ins. in the ground for Cor. to Secs. 8, 9, 16 and 17 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist, and raised a mound of earth 2 ft. high 4½ ft. base over it. On S.E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked T 32 N. S. 9 on N.E. R 30 W. S. 16 on S.E. S 17 on S.W. and S 8 on N.W. faces with 4 notches on each of S and E. edges.
	Land — Rolling
	Soil. — 3d rate.

Subdivisions T32 N. R30 W.

Chains	
	East on a random line bet. Secs. 9 and 16 Va. 14° 35' E.
40.00	set temporary 1/4 Sec. cor.
80.62	Intersect N. and S. line 70 lks. S. of Cor. to Secs. 9, 10, 15 and 16 Thence I run S 89° 30' W. on a true line bet. Secs. 9 and 16 with Same Va.
40.31	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove a Stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S on N. face
80.62	The Cor. to Secs. 8. 9. 16 and 17 Land — Rolling Soil — 2d to 4th rate

Subdivisions T32 N. R30 W.

Chains	
	North bet. Secs. 8 and 9, Va. 12° 20' E.
3.00	Commence descending bluff toward Niobrara River at
40.00	Deposited Charred stake 12 ins in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
42.00	Foot of bluffs about 400 ft. below last Sec. Cor. bears E. and W. enter nearly level prairie
65.00	Black hills road bears E. and W.
69.00	Enter ravine 140 lks wide about 20 ft. in depth course N 80° E.
80.00	The head of small ravine course SE. Deposited Charred stake 12 ins. in the ground for Cor. to Secs. 4. 5. 8 and 9 dug pits 18X18 X12 ins. in each Sec. 5½ ft. dist

Chains

and raised mound of earth 2 ft. high 4½ ft. base over it. Dug pit above stake 2 ft. long 2 ins. Square 12 ins. in the ground marked
T32 N. S. 4 on NE,
R30 W. S. 9 on SE,
S 8 on SW. and
S 5 on NW. faces with 4 notches on E. and 5 notches on S. edge
Land— From nearly level to hilly
Soil. 1st to 3d rate.

East on a random line bet. secs. 4 and 9.
Va. 14° 45' E.
25.00 Brow of bluff course N. 70° W. descend about 150 ft. into Niobrara River valley
40.00 Set temporary ¼ Sec. Cor. at 51.47 chs. ~~intersect~~ Right bank

Chains

of Niobrara river, and continue random line by offsetting S. at
51.00 6 chs. to avoid river at
73.60 offset back N. 4 chs. and at 79.94 intersect N. and S. line 26 2 lks. due S. of Cor. to Secs. 3, 4, 9 and 10 making
79.94 Intersect N. and S. line 62 lks S. of Cor. to Secs 3, 4, 9 and 10,
Thence I run
S 89° 33' W on a true line bet. Secs. 4 and 9 with same va.
4.00 Right bank of Niobrara River Deposited Charred Stake 12 ins. in the ground for meander Cor. to fractional Secs. 4 and 9. dug a pit 3 ft. square 1 ft. deep 8 lks E. of Cor, and raised a mound of earth 2 ft. high 4½ ft. base over it. Dug pit above stake 2 ft. long 2 ins. square 12 ins. in the ground marked
M. 6. with
T32 N. on E
R30 W. S 4 on N. dug

Subdivisions T 32 N. R 30 W.

Chains	
	S 9 on S faces
28.47	Right bank of Niobrara river, De=posited Charred stake 12 ins in the ground for meander cor. to fractional Secs. 4 and 9 dug pit 3 ft. square 1 ft deep 8 lks. W. of cor. and raised a mound of earth 2 ft. high 4½ ft. base over it. In pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked M. C. with T 32 N. on W. R 30 W. S. 4 on N. and S 9 on S. faces
39.97	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. cor. dug pits 18X18X12 ins. E. and W. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked 1/4 S. on N. face
79.94	The cor. to Secs. 4, 5, 8 and 9.

Subdivisions T 32 N. R 30 W.

Chains.	
	Land — Principally quitty rol=ling and portion hilly. Soil — 1st to 3d rate.
	North on true line bet. Secs. 4 and 5 to intersect the Standard Parallel Va. 12° 45' E.
11.00	Brow of bluff bears E. and W. and descend about 180 ft. through Scattering pine and elm with some ash to
17.00	Foot of bluffs in Niobrara bottom Course N 70° W.
24.00	Slough 10 lks wide bears W.
28.38	Right bank Niobrara river, De=posited Charred stake 12 ins. in the ground for meander cor. to fractional Secs. 4 and 5. dug pit 3 ft. square 1 ft. deep 8 lks. S of cor. In pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked M. C. with T 32 N. on S. R 30 W. S. 4 on E. and

Subdivisions T32 N. R30W.

Chains	
	S 5 on W. faces
	From this meander Cor. I set flag in line on left bank of river, Cross river, run base line from flag point, E., 7 chs. at right angles to line, go to extremity of base line and find the bearing from that point to meander cor. on Right bank of river is S32°20' W giv=ing distance across river 3.16 chs. therefore at
31.54	Left. bank of Niobrara river. De=posited charred stake 12 ins. in the ground for meander cor. to fractional Secs 4 and 5 dug pit 3 ft. square 1 ft. deep 8 ft. N. of cor. raised mound of earth 1 ft. high 4½ ft. base over it. On pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked M. C. with T32 N. on N
	R30W. S. 4 on E.
	S 5 on W. faces
	Commence ascending over

Subdivisions T32 N. R30W.

Chains	
	rolling ground
40.00	Deposited charred stake 12 ins. in the ground for ¼ Sec. Cor. dug pits 18x18x12 ins. N. and S. of cor 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked ¼ S. on W. face
70.09	Intersect 8th Standard parallel 16.75 chs. West of the Standard Cor. to Secs. 33 and 34 T33 N. R30W. described at page 27
	Deposited charred stake 12 ins in the ground for Closing Cor. to Secs. 4 and 5 dug pits S. E. and W. of cor. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. Square 12 ins. in the ground marked C. C. T32 N. R30W. on S 4 on E. and

Chains	
	S 5 on W. faces, with 2 notches on W. and 4 notches on E. faces. Land — Hilly and broken and rolling. Soil — 2d to 4th rate. Timber — Principally pine — some elm and ash 13 ins. November 9 1881
	From the Cor. to Secs. 5. 6. 31 and 32 on the South boundary of the township described at page 32 Survey of T31 N. R30W. Dem North bet. Secs. 31 and 32 Va. 13° 15' E.
40.00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. Dug N. pit down stake 2 ft. long 2 ins. square 12 ins. in

Chains.	
	the ground marked 1/4 S. on W. face
77.00	Brow of descent at head of ravine about 40 ft. deep course N. into deep Canon, Scattered pines
80.00	Set sandstone 24X8X7 ins. 16 ins. in the ground for Cor. to Secs. 29. 30. 31 and 32 marked with 1 notch on S. and 5 notches on E. edge and dug pits 18X18X12 ins. in each sec.
	From this Cor.
	a pine 14 ins. diam. bears N 8¾ W. 53 lks. dist. marked T32 N. R30 W. S. 30 B.T.
	a pine 10 ins. diam. bears N 50¾ E 170 lks. dist. marked T32 N. R. 30 W. S 29 B.T.
	a pine 24 ins. diam bears S — W. 238 lks. dist marked T32 N. R 30 W. S. 31 B.T.
	No other tree in limits

Chains	
	Land. – Rolling Soil. – 2d and 3d rate.
	East on a random line bet. Secs. 29 and 32 Va. 14° 30' E.
35.00	Brow of descent descend thro pine timber about 200 ft. into ravine bears N 10° W. into Canon
39.90	Bottom of ravine course N 10 W
40.00	set temporary 1/4 Sec. Cor.
44.00	Top of bank E. side of ravine leave timber except an occasional isolated pine
80.58	Intersect N. and S. line 7 lks. S. of Cor. to Secs. 28, 29, 32 and 33 Thence I run S 89° 57' W. on a true line bet. Secs. 29 and 32 with same va.
40.29	set Sandstone 15 x 10 x 5 ins. 11 ins in the ground marked 1/4 on W. face for 1/4 Sec. Cor. from which a pine 12 ins. diam bears

Chains.	
	S 9° E. 53 lks. dist. marked 1/4 S. B. T. a pine 16 ins. diam. bears N 23° W. 130 lks dist. marked 1/4 S. B. T.
80.58	The Cor. to Secs 29, 30, 31 and 32. Land – Rolling and hilly Soil. – 2d to 4th rate Timber pine 9 chs.
	West on a random line bet. Secs. 30 and 31 Va. 14° 30' E.
	On Side of steep slope ascend
0.80	Top of bank descend into ravine about 30 ft. deep course NE. into ravine thence into Canon – Cross ravine at
3.90	Top of bank enter rolling ground
40.00	set temporary 1/4 Sec. Cor.
82.92	Intersect W. boundary of Town=ship 10 lks. N. of Cor. to Secs 25 30, 31 and 36 described at page 13

Chains	
	Thence Down N 89°56' E. on a true line bet. Secs. 30 and 31 with Same Va.
42,92	Deposited Charred stake 12 ins. in the ground for 1/4 sec. cor. dug pits 18X18X12 ins. E. and W. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
82,92	The cor. to Secs. 29, 30, 31 and 32 Land - 3.90 chs Broken with Scattered pines - balance rolling Soil - 3d rate.
	North bet Secs. 29 and 30 Va 12° 55' E.
15,00	Along W. bank of Rainier's main Canon bears E. Commence ascending

Chains	
21,00	Top of bank N. side of Canon bears E. about 150 ft. above bottom of Canon. Leave scattered pine timber
40,00	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. W. and S. of cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
80,00	Deposited charred stake 12 ins. in the ground for cor. to Secs. 19, 20, 29 and 30 dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. In S.E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T32 N. S. 20 on NE, R30 W. S. 29 on SE, S 30 on SW. and

Subdivisions T 32 N. R 30 W.

Chains	
	S 19 on N. W. faces with 5 notches on E. and 2 notches on S. edge Land — Hilly and rolling Soil — 1st to 3d rate Scattered pines 21. ches
	East on a random line bet. Secs. 20 and 29 Va. 14° 30' E.
40.00	Set temporary 1/4 Sec. Cor.
80.38	Intersect N. and S. line 46 lks. S. of Cor. to Secs. 20, 21, 28 and 29
	Thence I run S 89° 40' W. on a true line bet. Secs. 20 and 29 with Same Va.
40.19	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raise mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins.

Subdivisions T 32 N. R 30 W.

Chains.	
	in the ground marked 1/4 S. on N. face
80.38	The Cor. to Secs. 19, 20, 29 and 30, Land — Rolling Soil, — 3d rate.
	West on a random line bet. Secs. 19 and 30, Va. 14° 30' E.
40.00	Set temporary 1/4 Sec. Cor.
84.77	Intersect the west boundary of the township 14 lks. S. of Cor. to Secs 19, 24, 25 and 30, described at Page 118 (157)
	Thence I run S 89° 54' E. on a true line bet. Secs. 19 and 30 with Same Va.
44.77	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins.

Chains	
	in the ground marked 1/4 S. on N. face.
84.77	The cor. to Secs. 19, 20, 29 and 30. Land.- Rolling Soil, - 2d to 4th rate.
	North bet. secs. 19 and 20 Va. 12°.50' E.
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of cor. 5 1/2 ft. dist. and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face.
80.00	Deposited charred stake 12 ins. in the ground for cor. to Secs. 17, 18, 19 and 20, dug pits 18X18X12 ins. in each Sec. 5 1/2 ft. dist. and raised mound of earth 2 ft high 4 1/2 ft. base over it.

Chains	
	In S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked. T 32 N. S. 17 on NE. R 30 W. S. 20 on SE. S 19 on SW. and S 18 on NW. face with 3 notches on S. and 5 notches on E. edge Land — Rolling Soil, — 3d rate
	East on a random line bet. Secs. 17 and 20, Va. 14°.20' E.
40.00	Set temporary 1/4 Sec. Cor.
80.24	Intersect N. and S. line 36 lks. S. of cor. to Secs. 16, 17, 20 and 21
	Thence Drum S 89°.45' W. on a true line bet. Secs. 17 and 20 with same Va.
40.12	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of cor. 5 1/2

Subdivisions T32 N. R30 W.

Chains	
	ft. dist, and raised mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
80.24	The cor. to Secs. 17, 18, 19 and 20.
	Land — Rolling
	Soil, — 3d rate.
	West on a random line bet. secs. 18 and 19
	Va. 14°. 30' E.
40.00	Set temporary ¼ Sec. cor.
86.70	Intersects the W. boundary of the township 33 lks. S. of Cor. to Secs. 13, 18, 19 and 24 described at page 16
	Thence I run
	S 89°. 47' E. on a true line bet. secs. 18 and 19 with same va.
46.70	Deposited charred stake 12 ins. in the ground for ¼ Sec. cor. dug

Subdivisions T32 N. R30 W.

Chains.	
	pits 18X18X12 ins. E. and W. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
86.70.	The cor. to Secs. 17, 18, 19 and 20.
	Land — Rolling
	Soil. — 3d rate.
	November 10 1881
	Crossed bet. secs. 17 and 18
	Va. 12°. 30' E.
40.00	Deposited charred stake 12 ins. in the ground for ¼ Sec. cor. dug pits 18X18X12 ins. N. and S. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked ¼ S. on N. face
80.00	Deposited charred stake 12 ins. in the ground for cor. to Secs. 7, 8 17 and 18 dug pits 18X18X12 ins.

Subdivisions T 32 N. R 30 W.

Chains	
	in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. Dig S E. pit drive stake 2 ft. long 2 ins square 12 ins. in the ground marked T 32 N. S. 8 on N E. R 30 W. S. 17 on S E. S 18 on S W. and S 7 on N W. faces with 4 notches on S. and 5 notches in E. edge Land — Hilly Soil — 2d and 3d rate.
	East on a random line bet. Secs. 8 and 17, Va. 14° 35' E.
40.00	Deposited temporary 1/4 Sec. Cor.
79.58	Intersect N. and S. line 60 lks. S. of cor. to Secs 8. 9. 16 and 17
	Thence I run S 89° 34' W. on a true line bet. secs 8 and 17 with same va.

Subdivisions T 32 N. R 30 W.

Chains	
39.79	Deposited Charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18×18×12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. Dig E. pit drive stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
79.58	The Cor. to Secs. 7. 8. 17 and 18 Land — Broken Soil — 3d rate.
	West on a random line bet. Secs. 7 and 18 Va. 14° 30' E.
40.00	Set temporary 1/4 Sec. Cor.
88.39	Intersect the W. boundary of the township 47 lks. S. of cor. to Secs. 7. 12. 13 and 18, described at page 18.
	Thence I run S 89° 42' E. on a true line bet. Secs. 7 and 18 with same va.
48.39	Deposited Charred stake 12 ins.

Chains	
	in the ground for 1/4 Sec. Cor. and pits 18X18X12 ins. E. and W. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on N. face
88.39	The Cor. to Secs. 7. 8. 17 and 18. Land — Rolling Soil. — 3d rate.
	North bet. Secs. 7 and 8. Va. 12° 30' E. Descending through hills
40.00	Deposited Charred Stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. On N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face
42.00	Foot of bluff bear E. and N. W.

Chains	
	enter nearly level land
77.00	Black Hills road bears N 80° W.
80.00	Deposited Charred Stake 12 ins. in the ground for Cor. to Secs. 5. 6. 7. and 8 dug pits 18X18X12 ins. in each Sec. 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base over it. On S E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked T 32 N. S. 5 on N E. R 30 W. S 8 on S E. S 7 on S W. and S 6 on N W. faces with 5 notches on each of S and E. edges Land — Slightly rolling to hilly Soil. — 1st to 3d rate
	East on a random line bet. Secs. 5 and 8. Va. 14° 45' E.
40.00	Set temporary 1/4 Sec. Cor.
79.64	Intersect N. and S. line at Cor.

Chains	
	to Secs. 5. 6. 7 and 8
	Thence I run
	West on a true line bet.
	Secs. 5 and 8 with same va.
39.82	Deposited charred stake 12 ins.
	in the ground for 1/4 Sec. Cor. dug
	pits 18X18X12 ins. E. and W. of Cor.
	5½ ft. dist. and raised mound of
	earth 1½ ft. high 3½ ft. base
	over it, In E. pit drove stake 2
	ft. long 2 ins. square 12 ins. in
	the ground marked 1/4 S. on
	N. face.
79.64	The Cor. to Secs. 5. 6. 7 and 8.
	Land — Gently rolling
	Soil. — 1st and 2d rate.
	West on a random line bet.
	Secs. 6 and 7.
	N. 14°. 20' E.
12.00	Black Hills road bears N 86° W.
45.00	Set temporary 1/4 Sec. Cor.
90.40	Intersect the W. boundary of

Chains	
	the township 20 lks. S. of Cor. to
	Secs. 1, 6, 7 and 12 described
	at page 19.
	Thence I run
	S 89°. 52' E. on a true line bet.
	Secs. 6 and 7 with same va.
50.40	Deposited charred stake 12
	ins. in the ground for 1/4 Sec. Cor.
	dug pits 18X18X12 ins. E and W. of
	Cor. 5½ ft. dist. and raised mound
	of earth 1½ ft. high 3½ ft. base
	over it, In E. pit drove stake
	2 ft. long 2 ins. square 12 ins. in
	the ground marked 1/4 S. on W.
	face
90.40	The Cor. to Secs. 5. 6. 7 and 8.
	Land — Rolling
	Soil. — 1st and 2d rate.

Subdivisions T 32 N. R 30 W.

Chains	
	North on a true line bet. secs. 5 and 6 to intersect the Standard Parallel Var. 12° 30' E.
38.60	Brow of hill bears E. and W. descend about 250 ft. through scattered pine with some cedar ash and elm timber
40.00	Deposited charred stake 12 ins. in the ground for 1/4 Sec. Cor. 18 x 18 x 12 ins dug pits N. and S. of Cor. 5½ ft. dist. and raised mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked 1/4 S. on W. face From which Cor. a pine 8 ins. diam bears S 38¾° W. 49 lks. dist marked 1/4 S. B. T. a pine 15 ins. diam. bears N 38½° E 152 lks. dist marked 1/4 S. B. T.
46.20	Right bank of Niobrara River and deposited charred stake

Subdivisions T 32 N. R 30 W

Chains	
	12 ins. in the ground for meander Cor. to practical secs. 5 and 6 dug pit 3 ft. square 1 ft. deep 8 lks. S. of Cor. and raised mound of earth 2 ft. high 4½ ft. base over it. In pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked M. C. with T 32 N. on S. R 30 W. S 5 on E. and S 6 on W. faces From which Cor. an ash 12 ins. diam. bears S 1½° E 105 lks. dist marked T 32 N. R 30 W. S. 5 M. C. B. T. no other tree in limits From this meander Cor. I set flag on line on left bank of river, cross river, and from flag point rim base of 3 chs. E and at right angles to line, go to E. extremity of base and find the bearing to meander Cor. on Right bank of river aforesaid is

Subdivisions T32 N. R30 W.

Chains	
	S 20°, 45' W which gives by calculation the distance across river as 7.92 chs therefore at
54.12	Deposited charred stake 12 ins in the ground for meander Cor. to fractional secs. 5 and 6 on left bank of Niobrara river, dug pit 3 ft. square 1 ft. deep 8 lks. N. of Cor. and raised mound of earth 2 ft. high 4½ ft. base over it. In pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked M. C. with T 32 N. on N R 30 W. S. 5 on E. and S 6 on W. faces
72.62	Intersect the 8th Standard Parallel 16.40 chs. West of the Standard Cor. to secs. 32 and 33 T 33 N. R 30 W. described at page 26. Deposited charred stake 12 ins. in the ground for closing Cor. to secs 5 & 6 dug pits 18×18×12 ins. S. E.

Subdivisions T32 N. R30 W.

Chains.	
	and W. of Cor. 5½ ft. dist and raised mound of earth 2 ft. high 4½ ft. base over it. In E. pit drove stake 2 ft. long 2 ins. square 12 ins. in the ground marked C. C. T32 N. R30 W. on S. S 5 on E. and S 6 on W. faces with 5 notches on E. and 1 notch on W. face
	Land — Rolling hilly and broken
	Soil — 1st to 3d rate
	Timber — Pine with some cedar elm and ash 7.40 chs with some underbrush of willow and plum
	November 11, 1881

Meanders T 32 N. R 30 W.

Meanders of the Right Bank of the Niobrara River down Stream.

I commence at the meander Cor. to fractional Secs. 1 and 6 on the west boundary of the Township, heretofore by me described

Thence I run with meanders in Sec. 6.

Va. 14° 20' E

Banks 3 to 8 ft. high

S 69½° E.	3.70 chs.
S 88¼° E	9.30 "
N 85° E.	10.00 "
S 44½° E.	2.70 "
N 79¾° E.	7.20 "
S. 75° E.	5.20 "
N. 52½° E.	2.00 "
N 73° E.	8.70 "
N 54¾° E.	4.50 "
N 22° E.	1.60 "
N 68¼° E	4.80 "

Meanders T 32 N. R 30 W. continued

S 77° E	7.00 chs.
S 50½° E	9.70 "
S 69° E	4.30 "
N 81° E	3.20 "
N. " 72° E.	7.00 "
N. S 80½ E	11.00 "
~~N 59° E~~	~~3.00~~ "
~~N 85° E~~	~~3.30~~ "
~~S 53° E~~	~~90~~ " To meander

Cor. to fractional secs 5 and 6.

Land - Generally bluffy

Soil - Sandy loam 2° rate

Timber - Scattering pine cedar and cottonwood with occasional willow and plum underbrush

Thence in sec. 5

Va. 14° 45' E

S 79° E.	3.00 chs.
S 69° E.	36.30 "
S 81° E	3.00 "
S 83° E	12.10 " at 11.40 chs. Spring branch 3 lks wide

Meanders T 32 N. R 30 W. Continued

S 81½° E. 3.10 chs.
N 82½° E 6.60 " at 5.20 chs.
Slough 10 lks. wide
S 67° E. 9.00 chs at 8.50 ~~chs~~
Slough 10 lks. wide
N 62½° E. 4.30 chs.
S 77½° E ~~5.50~~ 6.00 " To meander
Cor. to fractional Secs. 4 and 5.
Land, Generally low bottom
Soil - Sandy 3d rate
Timber Scattered Cedar and pine with some ash and Elm and willow and plum underbrush

Thence in Sec. 4.
Va. 14° 45' E.
N 88° E. 6.90 chs. Banks 4 to 10
S 67° E. 3.80 " ft. high
S 78½° E 2.50 "
S 56½° E 4.80 "
S 73½° E. 6.50 " at 4. chs. Spring
N 68° E. 2.90 " branch 2 lks. wide

Meanders T 32 N. R 30 W. Continued

S 87° E 4.30 chs.
S 35½° E 2.50 "
S 30½° E 11.20 "
S 24° E 6.70 "
S 77° E 10.00 "
S ~~77½~~ 29½° E 3.00 " To meander
Cor. to fractional Secs. 4 and 9.
Land Generally level bottom
Soil - Sandy 3d rate
Timber - Cottonwood with some pine and some willow under brush

Thence in Sec. 9
Va. 14° 45' E.
Banks 5 to 10 ft. high
S 70° E. 7.00 chs.
S 88½° E 13.50 "
N ~~55~~ 67½° E 5.40 " To meander
Cor. to fractional secs 4 and 9
Land - nearly level bottom
Soil - Sandy loam 2d and 3d rate

Meanders T32N. R30W. continued

Thence in Sec. 4,
Va. 14°45' E.
N 33° E. 1.80 chs.
N ~~84°~~ 82° E 3.10 " To meander
Cor. to fractional secs. 3 and 4
Land - Level bottom
Soil - Sandy 2d and 3d rate
Willow and plum underbrush

Thence in Sec. 3,
Va 14°35' E
S 88½° E. 2.00 chs.
N 71½° E 3.10 "
N 72¼° E 4.00 "
N 60° E 4.00 "
N 81° E 3.00 "
N 67° E. 5.00 "
~~N 64½° E. 3.70 "~~ } 5.70
N 65° E ~~2.60 "~~ }
N 27½° E 2.90 "
N 67½° E 4.00 "
N 61½° E 10.30 "
N 56° E 4.30 " at 4.15 chs
slough 15 lks wide

Meanders T32N. R30W. continued

N 5½° W. 1.70 chs.
N 19½° E. 2.30 "
N 35½° E 2.60 "
N 69° E 3.50 "
N 88° E 13.70 "
N 63½° E 4.90 "
S ~~88½°~~ 78½° E 10.60 "
N ~~69~~ 43½° E. ~~2.70~~ 4.30 " To meander
Cor. to fractional secs. 2 and 3.
Land - Generally low bottom
Soil - Sandy 2d and 3d rate
Considerable willow, and
plum underbrush with some
scattering cottonwood

Thence in Sec. 2,
Va. 14°20'
N 75° E 2.80 chs.
N 72° E 3.50 "
N 63¼° E 5.40 "
N 67° E 9.60 "
N 72½° E 16.40 " at 13.40 chs
Slough 10 lks wide

Meanders T32N, R30W, continued

S 85½°E. 5.30 chs.
N 65°E 4.70 "
N 84¾°E 7.00 "
N 55½°E 3.10 "
S 80½°E. 6.60 "
S 68¾°E. 16.90 "
S 29½°E. 6.00 at 1.30 chs. left bank mouth of Snake Creek 3.40 chs. wide

To meander cor. to fractional Secs. 1 and 2.

Land - Level bottom, banks about 6 ft. high

Soil - Sandy 2d rate

Timber - Scattering with some small isolated pines

Thence in Sec. 1

Va. 14° 10' E.
N 70¼° E. 11.50 chs.
N. 38¼° E. 15.80 " along foot of bluffs

Meanders T32N, R30W, continued

about 300 ft. high

N 56° E. 5.80 chs
N 40¼° E 11.00 " along bottom

To meander cor. to fractional Secs. 1 & 31 on 8th Standard Parallel heretofore by me described

Land - 11 chs. level low bottom balance high bluffs

Soil - Sandy 2d, 3d and 4th rate

Timber - Pine cedar and cottonwood with willow and plum underbrush.

November 12, 1881.

Observations of Star Polaris

variation of compass needle on lines established by observations of Mesbrow Elevation Tower:

November 1, 1881,
va. of needle on established line of this morning 16°.05' E
Deduct azimuth 1°.49¾
apparent va. 14°.15¼ E

November 5, 1881
va. of needle on line established by this mornings observation 15°.48' E
Deduct azimuth 1°.49¾
apparent va. 13°.58¼ E

Could get no more observations because of cloudy stormy weather.

General Descriptions

This township has considerable variety both of Surface and Soil, On the east side of Snake Creek, a swift stream about 1. ch. wide flowing with a very swift current from S.W. to N.E. is a strip of fair land generally underlaid with a soft chalky stone about a mile in width the balance of the township is sandy and hilly

The whole township at no distant day has been covered with a heavy growth of Timber principally hard pine. as remnants of such growth can be found all over the township partially or wholly buried in the soil

Snake Creek flows through a canon from 250. to 450 ft.

General Description - continued

deep and from 20 to 40 chs. in width which canon is lined throughout with a good growth of pine and cedar timber, there is also considerable pine timber on the high ground north and west of Snake Creek.

The Niobrara River runs through the north tier of secs. from W. to E. and is a shallow swift stream with banks generally from 2 to 10 ft. in height except in the N.E. part of the township where its right bank just below the mouth of Snake Creek is a bluff from 400 ft. in height. all its banks and slopes are lined with more or less pine and cedar

General Description Concluded

and the bottoms with a straggling growth of Cottonwood ash Hackberry boxelder and elm.

The Black Hills road runs through the southern part of this township.

No settlements, or is there any improvements in this township except a cattle corral on the north side of the Niobrara about opposite Snake Creek.

No water except the streams mentioned and springs along their banks.

Thomas Graham
U. S. Deputy Surveyor.

A List of the Names of the individuals employed by Thomas Graham, U. S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision and meander lines and Resurvey of Exterior lines of Township No. 32 North of the Base Line of Range No. 30 West of the Sixth Principal Meridian and resurvey of Exterior Line of T. 32 N. R. 31 W. in the State of Nebraska, showing the respective capacities in which they acted:

W. T. Richardson	Compassman,
George W. Lawson	Chainman,
Robt B. Rutherford	Chainman,
	Chainman,
	Chainman,
George E. Richbinger	Moundman,
John W. Merriam	Moundman,
Ed. T. Beard	Flagman,
	Flagman.

We hereby certify that we assisted Thomas Graham United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision and meander lines and Resurvey of Exterior Lines of Township No. 32 North of Range No. 30 West of the Sixth Principal Meridian and resurvey of Exterior lines of Town 32 North Range 31 West in the 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 Nebraska and Iowa.

W. T. Richardson	Compassman.
G. W. Lawson	Chainman.
R. B. Rutherford	Chainman.
	Chainman.
	Chainman.
Geo. E. Richbinger	Moundman.
John W. Merriam	Moundman.
Ed. T. Beard	Flagman.
	Flagman.

Subscribed in my presence and sworn to before me this 17th day of December 1881.

Daniel E. McKillip
Notary Public
Seward Co. Neb.

I, Thomas Graham U. S. Deputy Surveyor, do solemnly swear that in pursuance of instructions received from Geo. S. Smith U. S. Surveyor General for Nebraska and Iowa, bearing date of the 14th day of June, 1881, 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 Nebraska and Iowa, the Surveying Manual, and the Laws of the United States, surveyed all those parts or portions of the Subdivision and meander lines and resurvey of Exterior Lines of Town=ships No. 32 North of the Base Line of Range No. 30 West 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 United States Surveyor General for Nebraska and Iowa, 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 8th, 1846.

Thomas Graham
U. S. Deputy Surveyor.

Subscribed in my presence and sworn to before me this 1st day of February, 1882.

Daniel E. McKillip
Notary Public
Seward Co. Neb.

Surveyor Genl's. Office
Plattsmouth
Neb.
June 26th 1883

The foregoing field notes of the Survey of subdivision and retracing of exterior lines with meanders of Niobrara River through this Township 32 N. R 30 W of the Principal Base and Meridian in the State of Neb. Executed by Thomas Graham under his contract bearing date of June 14th 1881, having been critically examined, the necessary corrections and explanations made, the said field notes of the survey they describe are hereby approved

L D Stephenson
Surv. Gen.

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

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