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No. 564

*Completed
copies
March 1891*

Sent to Gen. G. L. C. Abbott 1/1/91

Approved March 18 1891

Subdivisions T. N R. E

4-671 BOOK 564

564

FIELD NOTES

~~GENERAL LAND OFFICE~~

~~of the survey~~
~~of the~~

~~Subdivision Lines of~~
~~Township 28 N Range 16 E~~
~~Surveyed by John C. Smith~~

~~U. S. Dep. Sur~~

~~Under his contract No 16~~
~~Dated Nov. 1. 1890~~

~~Survey commenced June 10~~
~~completed " 17. 1891~~

Township 28 N R. 16 E

6	23 35	4	3	2	1
230	229				
7	216 8	9	10	11	12
214	212				
18	199 17	16	15	14	13
197	196				
19	183 20	21	22	23	24
181	179				
30	178 29	28	27	26	25
177					
31	32	33	34	35	36

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CHAINS. Subdivisions T. 28. N R. 16. E.

Chain I run west on a
random line through north
 $\frac{1}{2}$ sec. 30.

Va. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.52 Subcont ^{W. boundary of 1/4} ~~W. and S. line~~ 17 links
north of 1/16 sec. cor. thence
I run $n. 89^{\circ} 53' E.$ on a true
line through north $\frac{1}{2}$ sec. 30.
Va. 13° E.

Over gently rolling surface.

13.10 Trail bears N. E. and S. W.

18.52 Deposited a marked stone 12 ins. in the ground,
for ~~2/16~~ Sec. Cor., dug pits 18X18X12 ins. ... E. and
... W. ... of corner 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 ~~1/16~~ S, on ... N. face,

CHAINS Subdivisions T. 28 N R. 16 E.

78.52

Deposited a marked stone 12 ins. in the ground, for 116 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 116 S, on N. face,

58.52

Deposited a marked stone 12 ins. in the ground, for 116 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 116 S, on N. face,

78.52

The 116 sec. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

Thence I continue N. 0° 3' W.

bet. 29 and 30.

80.00

Deposited a marked stone 12 ins. in the ground, for Cor. to Secs. 19, 20, 29 and 30, 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, 2 ft. long 12 ins. in the ground,

T. 28 N. R. 16 E. on N. E.

R. 16 E. S. 29 on S. E.

S. 30 on S, W, and

S. 19 on N. W. faces, with 2 notches on

S. and 5 notches on E. edges.

CHAINS.

Subdivisions T. 28 N

R. 16 E.

Surface rolling

Soil 1st and 2nd rate.

Good grass.

Thence I run east on a random
line bet. sec. 20 and 29
74. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

80.00 Intersect N. and S. line... 19... lks ^{with}... of Cor. to
Secs. 2, 21, 28 and 29. Thence I run 77.89° 56' 74.
on a true line bet. Secs. 20..... and..... 29.

74. 13° E.

Over gently rolling surface.

1.00 Enter field from N.E. and SW.

2.80 Leave " " NW " SE.

8.36 Fencing bears NW and SE.

180

CHAINS, Subdivisions T. 2 S. N R. 16 E.

20.00 Deposited a marked stone 12 ins. in the ground, for 1/6 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 1/6 S, on N. face,

25.50 Trail bears N. and S.

27.75 Wash ³⁰ lks. wide course, south

29.13 Trail bears N. and S.

40.00 Deposited a marked stone 12 ins. in the ground, for 1/4 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 N. face,

60.00 Deposited a marked stone 12 ins. in the ground, for 1/6 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 1/6 S, on N. face,

80.00 The cor. to sec. 29, 20, 29 and 30.

Surface gently rolling.

Soil / r 2 rate.

Some brush.

CHAINS. Subdivisions T. 28 N R. 16 E.

Third I run west, on a random
line bet. secs 19. and 30.

Va. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.40 Subcut west boundary of
township 11 links north of cor.
to cns. 19, 24, 25 and 30. Then
I run $n. 89^{\circ} 55'$ E. on a true
line bet. secs. 19 and 30.
Va. 13° E.

Over gently rolling surface.

8.40 Deposited a marked stone 12 ins. in the ground,
for 116° Sec. Cor., dug pits $18 \times 18 \times 12$ ins. E₁ and
... W₁ ... of corner 5 1-2 ft. dist., and raised a mound of
earth 1 1-2 ft. high, 3 1-2 ft. base over it.

In ... E₁ pit drove a stake 2 ft. long, 2 ins. square,
12 ins. in the ground, marked 116° S, on ... N₁ face,

21.90 Trail bears N. E. and S. W.

5782

CHAINS Subdivisions T. 28 N R. 16 E

38.40

Deposited a marked stone 12 ins. in the ground, for 1/4 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 5 1-2 ft. S, 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 N. face,

39.40

Trail bears N. E. and S. W. - -

58.40

Deposited a marked stone 12 ins. in the ground, for 1/6 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 5 1-2 ft. S, 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 1/6 S, on N. face,

78.40 The cor. to sec. 19, 20, 29 and 30.

Surface gently rolling.

Soil 2nd rate.

Good grass?

June 15th 1891

CHAINS Subdivisions T. 28 N R. 16 E.

Thence I run $N. 0^{\circ} 3' N.$ lat.
 cons. 19 and 20.
 $\gamma_{16} 13^{\circ} E.$

Over gently rolling surface.

9.40 Trail bears E. and N.

20.00 Deposited a marked stone 12 ins. in the ground,
 for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. N. and
 S. of corner 5 1-2 ft. deep, 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 $\frac{1}{16}$ S, on W. face,

Thence I run east on a random
 line through south $\frac{1}{2}$ sec. 20.
 $\gamma_{16} 13^{\circ} E.$

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

80.00 Subtract N. and S. line 5
 links south of $\frac{1}{16}$ sec. cor.

Thence I run S. $89^{\circ} 58' N.$ on
 a true line through south

184

CHAINS. Subdivisions T. 28 N R. 16 E.

1/2 ac. 20.

7a. 13° E.

Over gently rolling surface.

7.30 Trail bears *N. E. and S. W.*

9.40 Trail bears **N. E. and S. W.**

12.40 Trail bears **N. E. and S. W.**

18.15 Wash ³⁰.....lks. wide course, *SW.*

20.00 Deposited a marked stone 12 ins. in the ground, for ^{1/16}...Sec. Cor., dug pits 18X18X12 ins....**E.**...and **W.**...of corner 5 1-2 ft. d., 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...^{1/16}...**S.** on...**N.**...face,

2070 *Corner* *confined* *bears* *N.E. and SW.*

23.60 Trail bears *N. and S.*

33.20 *Law* *confined* *bears* *N.E. and SW.*

35.30 Trail bears **N. E. and S. W.**

40.00 Deposited a marked stone 12 ins. in the ground, for ^{1/16}...Sec. Cor., dug pits 18X18X12 ins....**E.**...and **W.**...of corner 5 1-2 ft. d., 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...^{1/16}...**S.** on...**N.**...face,

CHAINS, Subdivisions T. 28 N R. 16 E.

47.50

Trail bears N. E. and S. W.

60.00

Deposited a marked stone 12 ins. in the ground, for 1/2 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 5 1-2 ft. d. 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 1/2 S, on N. face,

80.00

The 1/2 sec. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

Thence I run met on a
random line through south
1/2 sec. 1/2
79. 13° E.

20.00

Set temporary 1-16 Sec. Cor.

40.00

Set temporary 1-16 Sec. Cor.

60.00

Set temporary 1-16 Sec. Cor.

78.32

Intract met boundary of
township 6 miles north

CHAINS Subdivisions T. 28 N R. 16 E.

of $\frac{1}{16}$ ac. cor. thru I
run $N. 89^{\circ} 57' E.$ on a
true line through south
 $\frac{1}{2}$ ac. 19.
Ta. 13 E.

Over gently rolling surface.

1832

Deposited a marked stone 12 ins. in the ground,
for $\frac{1}{16}$ Sec. Cor., dug pits $18 \times 18 \times 12$ ins. ... E. ... and
... W. ... of corner 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 $\frac{1}{16}$ S, on ... N ... face,

3832

Deposited a marked stone 12 ins. in the ground,
for $\frac{1}{16}$ Sec. Cor., dug pits $18 \times 18 \times 12$ ins. ... E. ... and
... W. ... of corner 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 $\frac{1}{16}$ S, on ... N ... face,

5832

Deposited a marked stone 12 ins. in the ground,
for $\frac{1}{16}$ Sec. Cor., dug pits $18 \times 18 \times 12$ ins. ... E. ... and
... W. ... of corner 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 $\frac{1}{16}$ S, on ... N ... face,

7832

Thru $\frac{1}{16}$ ac. cor.

Subdivisions T. 28 N R. 16 E

Surface gently rolling.

Soil 2nd rate.

Good grass.

Thru I continue N. 0° 3' W.
Set. sec. 19 and 20.

40.00

Deposited a marked stone 12 ins. in the ground, for ~~14~~ Sec. Cor., dug pits 18X18X12 ins. N. and S. of corner 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 ~~14~~ S, on W. face,

Thru I run east on a random line through middle sec. 20.

To 13° E.

20.00

Set temporary 1-16 Sec. Cor.

40.00

.....Set temporary 1-4 Sec. Cor.

60.00

Set temporary 1-16 Sec. Cor.

80.12

Introduct N. and S. line 13 links south of 14 sec.

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CHAINS. Subdivisions T. 28 N

R. 16 E

cor. thence I run $S 89^{\circ} 54' W$.
on a true line through
middle sic. 20.

9a. $13^{\circ} E$.

Over gently rolling surface.

5.00

Wash...40...lks. wide course, SW.

9.20

Trail bears N. E. and S. W.

15.60

Trail bears N. E. and S. W.

20.03

Set a post 3ft. long 3ins. sq.
with marked stone 12 ins. in
the ground. for $\frac{1}{16}$ sic. cor.
marked $\frac{1}{16}$ S. on N. face!
dug pits $18 \times 18 \times 12$ ins. E.
and W. of post. $5\frac{1}{2}$ ft.
dist. and raised a
mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. diam around
post.

CHAINS, Subdivisions T. 28 N. R. 16 E.

4006

Deposited a marked stone 12 ins. in the ground, for 14 Sec. Cor., dug pits 18X18X12 ins. E and W of corner 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 14 S, on N face,

4630

Trail from N. and S.

60.89

Deposited a marked stone 12 ins. in the ground, for 16 Sec. Cor., dug pits 18X18X12 ins. E and W of corner 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 16 S, on N face,

8A12

The 14 sec. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

There I was met by
a road on line through
middle sec. 19,
7a. 13° E.

20.00

Set temporary 1-16 Sec. Cor.

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CHAINS Subdivisions T. 28 N R. 16 E.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.45 Subjoin west boundary of Township 4 limits north of 1/4 sec. cor. then run N. 89° 58' E. on a true line through middle sec. 19.

To. 13° E -

Over gently rolling surface.

18.45 Deposited a marked stone 12 ins. in the ground, for... 6. Sec. Cor., dug pits 18X18X12 ins. ... E. ... and ... W. ... of corner 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... 6. S, on ... N. ... face,

38.45 Deposited a marked stone 12 ins. in the ground, for... 4. Sec. Cor., dug pits 18X18X12 ins. ... E. ... and ... W. ... of corner 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... 4. S, on ... N. ... face,

46.35 Trail bears N, E. and S. W.

Subdivisions T. 28 N R. 16 E

58.45 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{6}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 $\frac{1}{6}$ S, on N. face,

78.45 The $\frac{1}{4}$ sec. cor.
Surface gently rolling.

Soil 2nd rate.

Good grass.

Thence I continued N. 0° 3' W.

bet. sec. 19 and 20.

60.00

Deposited a marked stone 12 ins. in the ground, for $\frac{1}{6}$ Sec. Cor., dug pits 18X18X12 ins. N. and S. of corner 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 $\frac{1}{6}$ S, on W. face,

Thence I run east on a random line through north $\frac{1}{2}$ sec. 20.

to 13° E.

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CHAINS Subdivisions T. 28 N

R. 16 E

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

80.00

Submit N. and S. line
2 1/2 links south of 1/16 sec
cor. then I run S. 89° 51' W.
on a true line through
north 1/2 sec. 20.
Ta. 1308.

Over gently rolling surface.

1110

Trail bears N. and S.

20.00

Deposited a marked stone 12 ins. in the ground,
for 1/16 Sec. Cor., dug pits 18X18X12 ins. E. and
W. of corner 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 1/16 S, on N. face,

40.00

Deposited a marked stone 12 ins. in the ground,
for 1/16 Sec. Cor., dug pits 18X18X12 ins. E. and
W. of corner 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 1/16 S, on N. face,

HAINS Subdivisions T. 28 N R. 16 E.

42.68 Trail bears N. and S.

60.00 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 $\frac{1}{16}$ S, on N. face,

61.90 Trail bears N. W. and S. E.

80.00 In $\frac{1}{16}$ sec. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

Then I run out on a
random line through
north $\frac{1}{2}$ sec. 19.

74. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.32 Subdiv. West boundary

CHAINS Subdivisions T. 28 N R. 16 E.

of township 10 links north
of 1/6 sec. cor. stake
I run n. $89^{\circ} 56' E.$ on
a true line through north
1/2 sec. 19

$74. 13^{\circ} E.$

Over gently rolling surface.

18.32

Deposited a marked stone 12 ins. in the ground,
for $1/6$ Sec. Cor., dug pits 18X18X12 ins. $E.$ and
 $W.$ of corner 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 $1/6$ S, on $N.$ face,

38.32

Deposited a marked stone 12 ins. in the ground,
for $1/6$ Sec. Cor., dug pits 18X18X12 ins. $E.$ and
 $W.$ of corner 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 $1/6$ S, on $N.$ face,

56.20

Trail bears $N. E.$ and $S. W.$

58.32

Deposited a marked stone 12 ins. in the ground,
for $1/6$ Sec. Cor., dug pits 18X18X12 ins. $E.$ and
 $W.$ of corner 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 $1/6$ S, on $N.$ face,

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CHAINS Subdivisions T. 28 N R. 16 E.

7832 The 1/16 sec. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

Thru I contain 77.00 3' N.

bet. Secs 19 and 20

Deposited a marked stone 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 a mound of earth 2 ft. high, 4 1-2 ft. base over it.

In S. E. pit drove a stake 2 ins. square, 2 ft. long 12 ins. in the ground, marked

T. 28 N. S. 17 on N. E.

R. 16 E. S. 20 on S. E.

S. 19 on S, W, and

S. 18 on N. W. faces, with 3 notches on

S. and 2 notches on E. edges.

Surface gently rolling.

Soil 2nd rate.

Good grass.

CHAINS. Subdivisions T. 28 N R. 16 E

Thence I run east on a random line bet. secs. 17 and 20. Va. 130° E

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

79.90 Intersect N. and S. line. 20 lks. south of Cor. to Secs. 16, 17, 20 and 21. Thence I run 20840 57' 20" on a true line bet. Secs. 17 and 20. Va. 130° E

over rolling country.

7.18 Trail bears N. and S.

9.10 Trail bears N. and S.

19.98 Deposited a marked stone 12 ins. in the ground, for 116 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 116 S, on N. face,

38.48 Trail bears N. and S.

39.95 Deposited a marked stone 12 ins. in the ground, for 114 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 114 S, on N. face,

CHAINS Subdivisions T. 28 N R. 16 E.

59.92

Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. $\frac{1}{16}$ E. and $\frac{1}{16}$ W. of corner 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base over it.

In $\frac{1}{16}$ E. pit drove a stake 2 ft. long, 2 ins. square, 12 ins. in the ground, marked $\frac{1}{16}$ S, on $\frac{1}{16}$ N. face,

79.90

The cor. to secs. 17, 18, 19 and 20

Surface gently rolling.

Soil 2nd rate.

Good grass.

I think I was mist on a
random line bet.
secs. 18 and 19 -

To 130 E.

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.37

Abstract west boundary of township 15 lines north of Cor. to secs. 13, 18, 19 and 24

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CHAINS, Subdivisions T. 28. N R. 16. E.

From I run N. 89° 54' E.
 on a true line bet. 18 and 19.
 To 13° E.

Over gently rolling surface.

18.37

Deposited a marked stone 12 ins. in the ground,
 for 116 Sec. Cor., dug pits 18X18X12 ins. E. and
W. of corner 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 116 S, on N. face,

38.37

Deposited a marked stone 12 ins. in the ground,
 for 114 Sec. Cor., dug pits 18X18X12 ins. E. and
W. of corner 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 114 S, on N. face,

58.37

Deposited a marked stone 12 ins. in the ground,
 for 116 Sec. Cor., dug pits 18X18X12 ins. E. and
W. of corner 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 116 S, on N. face,

63.67

Trail bears N. E. and S. W.

75.12

Trail bears N. E. and S. W.

CHAINS Subdivisions T. 28 N R. 16 E.

78.37

The cor. to svs. 17, 18, 19 and 20

Surface gently rolling, some small hills.Soil good rate.

Good grass.

Some brush.

Thence a run 77.00 $3'$ N. lat.
 svs 17 and 18.

 79.130 E.

Over gently rolling surface.

274

Trail bears N. E. and S. W.

750

Trail bears N. E. and S. W.

16.00

Enter field from N. E. and SW.

18.80

Leave N. W. and SE.

20.00

Deposited a marked stone 12 ins. in the ground,
 for...1/6 Sec. Cor., dug pits 18X18X12 ins....N....and
 ...S....of corner 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...1/6...S., on...W....face,

CHAINS Subdivisions T. 28 N

R. 16 E.

Thru I run east on a
random line through south
 $\frac{1}{2}$ sec. 17.

Ta. $13^{\circ} E$.

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

80.12 Subdiv. N and S line 15 links
south of $\frac{1}{16}$ sec. cor.

Thru I run $S 89^{\circ} 54' W$.
on a true line through
south $\frac{1}{2}$ sec. 17.

Ta. $13^{\circ} E$.

Over gently rolling surface.

8.00 Trail bears N. and S.

20.03

Deposited a marked stone 12 ins. in the ground,
for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. E. and
...W. of corner 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... $\frac{1}{16}$. S, on...N...face,

CHAINS Subdivisions T. 28 N R. 16 E.

34.00 Crail bears N. and O.

4006 Set a sandstone $12 \times 9 \times 5$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{6}$ on N face, dug pits $18 \times 18 \times 12$ ins., E and W of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

59.60 Eum field bears N E. and SW.

60.09 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{6}$ Sec. Cor., dug pits $18 \times 18 \times 12$ ins., E and W of corner 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 $\frac{1}{6}$ S, on N face,

70.00 Lane field bears N.E. and S.W.

80.12 To the $\frac{1}{6}$ sec. cor.

Surface gently rolling.

Soil 1st rate.Grass fair.

Then I run west on
a random line
through south $\frac{1}{2}$ sec. 18
49. 13° E.

202

CHAINS Subdivisions T. 28. N R. 16. E.

- 20.00 Set temporary 1-16 Sec. Cor.
- 40.00 Set temporary 1-16 Sec. Cor.
- 60.00 Set temporary 1-16 Sec. Cor.
- 78.21 Indirect west boundary of township is line north of $\frac{1}{16}$ sec. cor. thence I run n. $89^{\circ}56'E$. over a true line through south $\frac{1}{2}$ sec. 18.
- 79, $13^{\circ}E$.

Over gently rolling surface.

- 1821 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. ...E...and ...W...of corner 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...S, on...N...face,
- 3821 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. ...E...and ...W...of corner 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...S, on...N...face,

CHAINS Subdivisions T. 28 N R. 16 E.

58.21

Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 $\frac{1}{16}$ S, on N. face,

76.50

Trail bears N. E. and S. W.

78.21

Ch $\frac{1}{16}$ S. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

Thru I continue n. 0° 3' ft.

St. sec. 17 and 18.

30.90

In S. cor, field extends n.e.

38.10

Trail bears N. E. and S. W.

40.00

Deposited a marked stone 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., dug pits 18X18X12 ins. N. and S. of corner 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 $\frac{1}{4}$ S, on W. face,

Thru I run out on a

204

CHAINS, Subdivisions T. 28. N R. 16. E.

random line through middle
sec. 17.

7a. 130 E.

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

8a 20 Intersect N. and S. line 12
links south of 14 sec.
cor. Thru I run S. 89° 55' W.
on a true line through
middle sec. 17.

7a. 130 E.

Over gently rolling surface.

7.60 Trail bears N. E. and S. W.

20.05 Set a sandstone 12 X 10 X 8 ins. 8 ins.
in the ground, for 116 Sec. Cor., marked 116 on N...
face, dug pits 18x18x12 ins. E. and W. of stone
5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft.
high, 3 1-2 ft. base, alongside,

30.40 Trail bears N. and S.

CHAINS, Subdivisions T. 28 N R. 16 E.

40.10

Set a sandstone $18 \times 11 \times 6$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

57.16

Trail bears N. and S.

60.15

Deposited a marked stone 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., dug pits $18 \times 18 \times 12$ ins. E. and W. of corner 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 $\frac{1}{4}$ S, on N. face,

63.90

Trail bears N. and S.

70.20

Center field bears N.E. and S.W.

74.00

Leave " " " "

79.60

Trail bears N. E. and S. W.

84.20

The $\frac{1}{4}$ Sec. Cor.

Surface gently rolling.

Soil 2nd rate.

Grass fair.

CHAINS Subdivisions T. 28 N R. 16 E.

Thence I run north on a
random line through
middle sec. 18.
Ya. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.21 Subjoin west boundary of
township. 8 lines north of
1/4 sec. cor. thence I run
N. 89° 57' E. on a true line
through middle sec. 18.
Ya. 13° E.

Over gently rolling surface.

10.51 Trail bears N. E. and S. W.

18.21 Deposited a marked stone 12 ins. in the ground;
for 1/16 Sec. Cor., dug pits 18X18X12 ins. E. and
W. of corner 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 1/16 S, on N. face,

CHAINS Subdivisions T. 28 N R. 16 E.

38.21

Set a sandstone 11 X 8 X 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N face, dug pits 18x18x12 ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

58.21

Set a sandstone 11 X 9 X 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N face, dug pits 18x18x12 ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

78.21

The 1/4 sec cor.

Surface gently rolling.

Soil 2nd rate.

Grass fair.

Some brush.

Then I continued N. 0° 3' H. Feb.

S.W. 17 and 18.

50.00

Enter field bears E. and N.

60.00

Set a sandstone 12 X 8 X 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W face, dug pits 18x18x12 ins., N. and S. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

CHAINS, Subdivisions T. 28 N R. 16 E.

Thence I run east on a random
line through north $\frac{1}{2}$ sec. 17.
74. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

80.20 Intersect N. and S. line 16 links
south of $\frac{1}{16}$ sec. cor.
Thence I run S. 89° 53' W.
on a true line through north
 $\frac{1}{2}$ sec. 17.
74. 13° E.

Over gently rolling surface.

6.62 True bearings N. and S.

19.00 Center filed bearings N.E. and S.W.

20.05 Deposited a marked stone 12 ins. in the ground;
for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. ... E... and
... W... of corner 5 1-2 ft. dist., and raised a mound of
earth 1 1-2 ft. high, 3 1-2 ft. base over it.

In $\frac{1}{16}$ pit drove a stake 2 ft. long, 2 ins. square,
12 ins. in the ground, marked $\frac{1}{16}$ S, on $\frac{1}{16}$ N... face,

CHAINS. Subdivisions T. 28 N R. 16 E.

2678 *Leave field bear. N.E. and SW.*

29.00 *Trail bear N. and S.*

40.10 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. $\frac{1}{16}$ E. and $\frac{1}{16}$ W. of corner 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base over it.

In $\frac{1}{16}$ E. pit drove a stake 2 ft. long, 2 ins. square, 12 ins. in the ground, marked $\frac{1}{16}$ S, on $\frac{1}{16}$ N face,

60.15 Set a sandstone $\frac{1}{8}$ X $\frac{1}{2}$ X $\frac{3}{4}$ ins. $\frac{1}{2}$ ins. in the ground, for $\frac{1}{16}$ Sec. Cor., marked $\frac{1}{16}$ on $\frac{1}{16}$ N face, dug pits 18x18x12 ins., $\frac{1}{16}$ E. and $\frac{1}{16}$ W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

61.25 *Trail bear. N. and S.*

70.00 *Center corner bear. N.E. and SW.*

73.80 Trail bears N. E. and S. W.

80.20 *The $\frac{1}{16}$ sec cor.*

Surface gently rolling.

Soil 2nd rate.

Grass fair.

CHAINS Subdivisions T. 28 N R. 16 E.

Found I run west on a
random line through north
 $\frac{1}{2}$ sec. 18.

70. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.19 Subtract west boundary
of township 5 lines north
of $\frac{1}{16}$ sec. cor. then
I run $n. 89^{\circ} 58' E.$ on
a true line through
north $\frac{1}{2}$ sec. 18.

70. 13° E.

Over gently rolling surface.

18.19 Set a sandstone $18 \times 16 \times 6$ ins., 12 ins.
in the ground, for $\frac{1}{16}$ Sec. Cor., marked $\frac{1}{16}$ on N.
face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone
5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft.
high, 3 1-2 ft. base, alongside,

20.03

Trail bears N. E. and S. W.

CHAINS. Subdivisions T. 28 N R. 16 E.

38.19 Set a sandstone $12 \times 10 \times 5$ ins., 8 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., marked $\frac{1}{16}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside.

43.50 Enter stone corral. (strip)

44.60 Leave " "

58.19 Set a sandstone $12 \times 8 \times 6$ ins., 8 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., marked $\frac{1}{16}$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside.

77.11 Enter field from N.E. & S.W.

78.19 To the $\frac{1}{16}$ sec. cor.

Surface gently rolling.

Soil 2nd rate.

Some brush.

Then I continued $77^{\circ} 3' N$.
bet. sec. 17 and 18

61.00 Leave field from N.E. and S.W.
contains about 60. acrs.

CHAINS Subdivisions T. 28 N R. 16 E.

80.00 Set a sandstone. 12 X 8 X 6 ins. 8 ins. in the ground for Cor. to Secs. 7, 8, 17 and 18 marked with 4 notches on S. and 8 notches on E. edges, 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, alongside.

Surface gently rolling.

Soil 2nd rate.

Grass fair. small alkali spring about 6 cks. SE.

Thence I run east on a random line bet. sec. 8 and 17. $\gamma_a 13^\circ E.$

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

8016 Subtract N. and S. line 14 links south of cor. to sec. 8, 9, 16 and 17 thence I run $0.89^\circ 54' N.$ on a true line bet. sec. 8 and 17. $\gamma_a 13^\circ E.$

CHAINS Subdivisions T. 28 N R. 16 E.

Over gently rolling surface.

- 440 Trail bears *n. and s.*
- 11.00 *Scan field from N.E. and S.W.*
- 2004 Set a sandstone $\frac{16}{16}$ X $\frac{12}{12}$ X $\frac{6}{6}$ ins., $\frac{11}{11}$ ins. in the ground, for $\frac{116}{116}$ Sec. Cor., marked $\frac{116}{116}$ on N... face, dug pits 18x18x12 ins., E... and W... of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,
- 23.43 Trail bears *n. and s.*
- 27.20 Trail bears " " "
- 37.50 Trail bears N, W. and S. E.
- 40.08 Deposited a marked stone 12 ins. in the ground, for $\frac{114}{114}$ Sec. Cor., dug pits 18X18X12 ins. E... and W... of corner 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 $\frac{114}{114}$ S, on N... face,
- 60.12 Set a sandstone $\frac{15}{15}$ X $\frac{13}{13}$ X $\frac{9}{9}$ ins., $\frac{10}{10}$ ins. in the ground, for $\frac{115}{115}$ Sec. Cor., marked $\frac{115}{115}$ on N... face, dug pits 18x18x12 ins., E... and W... of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,
- 68.10 Trail bears *n. and s.*
- 72.50 Wash $\frac{10}{10}$ lks. wide course, south
- 80.16 *To the cor. to sec. 78.17 and 18*

Surface gently rolling.

Soil 2nd rate.

Grass fair.

Thence I run West on a
random line bet. sec. 7 and 18.
Va. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.79 Intract West. boundary of
township 8 links north of
Cor. to sec. 7, 12, 13 and 18
Thence I run N. 89° 57' E.
on a true line bet.
sec. 7 and 18.
Va. 13° E.

Over gently rolling surface.

CHAINS Subdivisions T. 28 N. R. 16 E.

18.19 Set a sandstone ¹²X ¹¹X ⁴ins., ⁸ins. in the ground, for ¹¹⁶Sec. Cor., marked ¹¹⁶on N... face, dug pits 18x18x12 ins., E... and W... of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, & 1-2 ft. base, alongside;

20.67 Trail bears N. E. and S. W.

2.17 Corral bears north 2 cho.

8.19 Set a sandstone ¹⁴X ¹²X ³ins., ⁹ins. in the ground, for ¹¹⁴Sec. Cor., marked ¹¹⁴on N... face, dug pits 18x18x12 ins., E... and W... of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, & 1-2 ft. base, alongside,

40.17 Corral bears north 2, 60 cho.

58.19 Deposited a marked stone 12 ins. in the ground, for ¹¹⁶Sec. Cor., dug pits 18X18X12 ins. E... and W... of corner 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 ¹¹⁶S, on N... face,

73.00 Cross W. corner of field.

78.19 The cor to pts. 78.17 and 18

Surface gently rolling.

Soil 2nd rate.

Good grass.

June 16th 1891

CHAINS Subdivisions T. 28 N R. 16 E.

Chain I run 740° 3' N. bet.
secs. 7 and 8.
74. 13° E.

2.00 Eub. field bears East and SW.
20.00 Set a sandstone... 20... X... 20... X... 16... ins... 15...
ins. in the ground, for 1/16 Sec. Cor., marked 1/16... on
.. W. face, and raised a mound of stone 1 1-2 ft. high
2 ft. base, alongside. Pits impracticable.

Chain I run 100' on a
random line through south
1/2 sec. 8.
74. 13° E.

- 20.00 Set temporary 1-16 Sec. Cor.
- 40.00 Set temporary 1-16 Sec. Cor.
- 60.00 Set temporary 1-16 Sec. Cor.

79.96 Subtract N. and S. line 11 lines
south of 1/16 sec. cor. Chain
I run S. 89° 55' W. on a
true line through south 1/2
sec. 8.

CHAINS Subdivisions T. 28 N R. 16 E.

T. 130 E.

Over gently rolling surface.

1.40 Trail from N. and S.

1.50 Enter field from N.W. and S.E.

1.15 Turn " " " "

8.75 Trail from N. and S.

19.99 Set a sandstone $14 \times 12 \times 9$ ins., 9 ins. in the ground, for $1/6$ Sec. Cor., marked $1/6$ on N. face, dug pits $18 \times 18 \times 12$ ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

74.75 Trail from N. and S.

39.98 Deposited a marked stone 12 ins. in the ground, for $1/6$ Sec. Cor., dug pits $18 \times 18 \times 12$ ins., E. and W. of corner 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 $1/6$ S, on N. face,

58.30 Trail from N. and S.

59.97 Deposited a marked stone 12 ins. in the ground, for $1/6$ Sec. Cor., dug pits $18 \times 18 \times 12$ ins., E. and W. of corner 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 $1/6$ S, on N. face,

CHAINS Subdivisions T. 28 N R. 16 E.

- 6180 Trail from N. and S.
 72.00 Center field from N. and S.
 7996 The 1/16 sec. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

Thence I run west
 on a random line through
 south 1/2 sec. 7
 74. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.22 Intersect west boundary of
 township 6 miles north of
 1/16 sec. cor. thence I run
 N. 89° 57' E. on a true
 line through south 1/2

Subdivisions T. 28 N R. 16 E.

Mc. 7

90. 130 E.

Over gently rolling surface.

1822 Deposited a marked stone 12 ins. in the ground, for ~~116~~ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 ~~116~~ S, on N. face,

3822 Deposited a marked stone 12 ins. in the ground, for ~~116~~ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 ~~116~~ S, on N. face,

4045 Trail bears N. E. and S. W.

5822 Deposited a marked stone 12 ins. in the ground, for ~~116~~ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 ~~116~~ S, on N. face,

72.09 Enter July Bear M. Co.

78.22 The 116 Mc. Cor.

Surface gently rolling.

Soil ~~2nd~~ rate.

Good grass.

CHAINS Subdivisions T. 28 N R. 16 E.

Then I continue $71.0^{\circ} 3' N.$ bet
Secs. 7 and 8.

40.00 Set a sandstone $14 \times 12 \times 6$ ins., 9 ins.
in the ground, for $1/4$ Sec. Cor., marked $1/4$ on $W.$
face, dug pits $18 \times 18 \times 12$ ins., $N.$ and $S.$ of stone
5-12 ft. dist., and raised a mound of earth 1-2 ft.
high, 3-12 ft. base, alongside,

Then I run east on a
random line through middle
sec. 8.

$71.13^{\circ} E.$

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

79.90 Intersect $N.$ and $S.$ line 16 links
south of $1/4$ sec. cor. Then
I run $S. 89^{\circ} 53' N.$ on
a true line through
middle sec. 8.

$71.13^{\circ} E.$

Over gently rolling surface.

CHAINS Subdivisions T. 28 N R. 16 E.

8.00 East field bear N. and S.

11.00 Same " " " " "

298 Deposited a marked stone 12 ins. in the ground, for 1/6 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 1/6 S, on N. face,

26.00 East field bear N. and S.

37.00 Same " " " " "

39.95 Deposited a marked stone 12 ins. in the ground, for 1/4 Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 N. face,

55.70 Trail bears N. E. and S. W.

59.00 Trail bears N. E. and S. W.

59.92 Set a sandstone 20 X 16 X 4 ins., 15 ins. in the ground, for 1/6 Sec. Cor., marked 1/6 on N. face, dug pits 18x18x12 ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

69.00 East field bear N. and S.

79.90 The 1/4 sec. cor.

CHAINS. Subdivisions T. 28 N R. 16 E.

Surface gently rolling,

Soil 2nd rate.

Good grass.

Thence I run west on a
random line through middle
sec. 7.

To. 13° E

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.12 In tract West boundary
of township 3 lines
north of 14 sec. cor.

Thence I run n. 89° 59' E
on a true line through
middle sec. 7.

To. 13° E

Over gently rolling surface.

CHAINS. Subdivisions T. ²⁸ N R. ¹⁸ E.

18.12 Deposited a marked stone 12 ins. in the ground, for ¹¹⁶ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 ¹¹⁶ S, on N. face,

38.12 Deposited a marked stone 12 ins. in the ground, for ¹¹⁴ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 ¹¹⁴ S, on N. face,

54.20 Trail bears N. E. and S. W.

56.10 Euler field bears N. and S.

58.12 Set a sandstone ¹⁰ X ¹⁰ X ¹⁰ ins. ⁷ ins. in the ground, for ¹¹⁶ Sec. Cor., marked ¹¹⁶ on N. face, dug pits 18x18x12 ins.; E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

59.00 Saw field bears N. and S.

67.00 Euler " " " "

78.12 The 14 sec. cor.

Surface gently rolling.

Soil 2nd rate.

Good grass.

CHAINS, Subdivisions T. 28 N R. 16 E.

- Thence I continue $71.0^{\circ} 3' N$.
 bet. sec. 7 and 8.
 50.00 Leave field bear. E. and N.
 56.05 Trail bears N. E. and S. W.
 60.00 Set a sandstone... 12... X... 11... X... 8... ins... 8...
 ins. in the ground, for 1/6 Sec. Cor., marked 1/6... on
 ... W... face, and raised a mound of stone 1 1-2 ft. high
 2 ft. base, alongside. Pits impracticable.

 Thence I run east on
 a random line through
 north 1/2 sec. 8.
 Ya. $13^{\circ} E$.
 20.00 Set temporary 1-16 Sec. Cor.
 40.00 Set temporary 1-16 Sec. Cor.
 60.00 Set temporary 1-16 Sec. Cor.
 80.00 Intersect N. and S. line
 is line south of 1/6
 sec. cor. Thence I run
 $S. 89^{\circ} 56' N$. on a true line
 through north 1/2 sec. 8

CHAINS Subdivisions T. 28 N R. 16 E

$\frac{1}{4}$ 130° E

Over gently rolling surface.

Enter field from N.E. and SW.

7.50 *7.50* Leave field from N.E. and SW.

7.80 Trail from N. and S.

7.65 " " " " " "

20.00 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 $\frac{1}{4}$ S, on N. face,

33.30 Enter field from SW. and S.E.

40.00 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 $\frac{1}{4}$ S, on N. face,

44.00 Leave field from SW. and S.E.

47.90 Trail from N.E. and SW.

58.00 Trail from N. and S.

CHAINS Subdivisions T. 28 N R. 16 E.

- 60.00 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 $\frac{1}{16}$ S, on N. face,
- 68.42 Trail bears N. E. and S. W.
- 80.00 To the $\frac{1}{16}$ sec. cor.
Surface gently rolling.
Soil 2nd rate.
Grass fair.
-
- Think I was west on a random line through north 1/2 sec. 7.
Va. 13° E.
- 20.00 Set temporary 1-16 Sec. Cor.
- 40.00 Set temporary 1-16 Sec. Cor.
- 60.00 Set temporary 1-16 Sec. Cor.
- 78.10 Intersect - west boundary of township 5. 1 mile

CHAINS Subdivisions T.²⁸ N R.¹⁶ E.

south of 1/6 sec. cor. line
I run S 89° 54' E. on a
flat line through north 1/2
sec. 7.

To 1300.

Over gently rolling surface.

300 Center fence bears N. and S.

700 Same, " " N. " S.

18.10 Deposited a marked stone 12 ins. in the ground,
for 116...Sec. Cor., dug pits 18X18X12 ins....E...and
...W...of corner 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 116...S, on N...face,

20.00 Trail bears N. E. and S. W.

20.65 " " N and S.

38.10 Deposited a marked stone 12 ins. in the ground,
for 116...Sec. Cor., dug pits 18X18X12 ins....E...and
...W...of corner 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 116...S, on N...face,

1.61 Wash.....lks. wide course, south

CHAINS. Subdivisions T. 28 N R. 16 E.

58.10

Deposited a marked stone 12 ins. in the ground; for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 $\frac{1}{16}$ S, on N. face,

63.60

End field from N. and S.

65.60

Leave " " " "

70.00

Trail bears N. E. and S. W.

78.10

The $\frac{1}{16}$ sec. cor.

Surface gently rolling.

Soil 2nd rate.

Grass fair.

Then I continue N. 0° 3' W.
bet. sec. 7 and 8.

79.60

Trail bears N. E. and S. W.

80.00

Set a sandstone $\frac{1}{8}$ X $\frac{1}{2}$ X $\frac{5}{8}$ ins. $\frac{1}{2}$ ins. in the ground for Cor. to Secs. 5, 6, 7 and 8 marked with $\frac{5}{8}$ notches on S. and $\frac{5}{8}$ notches on E. edges, 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, alongside.

Surface gently rolling.

Soil 2nd rate.

Good grass.

CHAINS Subdivisions T. 28 N R. 16 E

Found I run east on a random line bet. NW, 5 and 8, $\gamma_a. 13^\circ E.$

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

80.04 Intersect N. and S. line.....12.....lks.....⁵⁰⁰.....of Cor. to Secs. 4, 5, 6, and 7.... Thence I run $89^\circ 55' 74''$ on a true line bet. Secs. 5 and 8....

$\gamma_a. 13^\circ E.$

Over gently rolling surface.

1.50 Trail bears N. W. and S. E.

2.25 Trail bears N. and S.

4.70 Embankment bears N.W. and S.E.

4.10 Trail bears N. and S.

4.10 Low field bears N.W. and S.E.

2.01 Deposited a marked stone 12 ins. in the ground, for.....Sec. Cor., dug pits 18X18X12 ins....E....and W....of corner 5 1-2 ft. d.t., 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...S, on...N...face,

CHAINS, Subdivisions T. 28 N R. 16 E.

39.50 Trail bears N. E. and S. W.

40.02 Deposited a marked stone 12 ins. in the ground, for 1/4 Sec. Cor., dug pits 18x18x12 ins. E. and W. of corner 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 N. face,

46.00 Trail bears N. E. and S. W.

57.00 Center field from N. and S.

60.03 Set a sandstone 12x11x9 ins., 8 ins. in the ground, for 1/6 Sec. Cor., marked 1/6 on N. face, dug pits 18x18x12 ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

66.00 Lower field from N. and S.

72.00 Trail bears N. E. and S. W.

80.04 The cor. to sec. 5, 6, 7 and 8

Surface gently rolling.

Soil 2nd rate.

Grass fair.

Thence I run west on a random line bet.

CHAINS Subdivisions T. 28 N R. 16 E.

Sils. 6 and 7.

$\gamma_a. 13^\circ E.$

20.00 Set temporary 1-16 Sec. Cor.

40.00.....Set temporary 1-4 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

78.15 Intract. west boundary of township 5 links south of the cor. to sils. 16, 7 and 12. Show I run $S. 89^\circ 58' E.$ on a hat line bet. sils. 6 and 7.

$\gamma_a. 13^\circ E.$

Over gently rolling surface.

1008 Euter field bears N and E.

16.48 Saw " " " " "

8.15 Deposited a marked stone 12 ins. in the ground, for...~~116~~ Sec. Cor., dug pits 18X18X12 ins...~~E~~...and ...~~W~~... of corner 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...~~6~~... S, on...~~N~~... face,

CHAINS Subdivisions T. 28 N R. 16 E.

25.30 Center field bears N. and E.

28.50 Same " " " "

37.80 Trail bears N. E. and S. W.

38.15 Set a sandstone $\frac{12}{12}$ X $\frac{10}{10}$ X $\frac{8}{8}$ ins. $\frac{8}{8}$ ins. in the ground, for $\frac{14}{14}$ Sec. Cor., marked $\frac{14}{14}$ on $\frac{14}{14}$ N. face, and raised a mound of stone 1 1-2 ft. high 2 ft. base, alongside. Pits impracticable.

44.00 Wash $\frac{10}{10}$ lks. wide course, S. E.47.40 Wash $\frac{10}{10}$ lks. wide course, south.

58.00 Center field bears N. and E.

58.15 Deposited a marked stone 12 ins. in the ground; for $\frac{11}{11}$ Sec. Cor., dug pits 18X18X12 ins. $\frac{11}{11}$ E. and $\frac{11}{11}$ W. of corner 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base over it.

In $\frac{11}{11}$ E. pit drove a stake 2 ft. long, 2 ins. square, 12 ins. in the ground, marked $\frac{11}{11}$ S, on $\frac{11}{11}$ N. face,

60.50 Same field bears N. 20° E. and S 20° W.

68.10 Trail bears N. E. and S. W.

78.15 The Cor. to nos. 5, 6, 7 and 8

Surface gently rolling.

Soil 2nd rate,

Grass fair.

Subdivisions T. 28 N R. 16 E.

Thence I run 77.00 S' W,

bet. Secs 5 and 6.

70. 15° E.

Over gently rolling surface.

12.34

Trail bears N. E. and S. W.

20.00

Deposited a marked stone 12 ins. in the ground, for 1/16 Sec. Cor., dug pits 18X18X12 ins. N. and S. of corner 5 1-2 ft. d. 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 1/16 S, on W. face,

Thence I run east on a random line through south 1/2 sec. 5.

70. 10° E.

20.00

Set temporary 1-16 Sec. Cor.

40.00

Set temporary 1-16 Sec. Cor.

60.00

Set temporary 1-16 Sec. Cor.

8008

Instruct. N. and S. line 7 lines south of 1/16 sec. cor. Thence I run 289° 57' N.

CHAINS Subdivisions T. 28 N R. 16 E.

on a fruit line through
south $\frac{1}{2}$ sec. 5.

Var. 10° E.

Over gently rolling surface.

470

Trail bears N. E. and S. W.

550

Entire field bears N. and S.

800

Same " " " " "

1050

Trail bears N. E. and S. W.

2002

Deposited a marked stone 12 ins. in the ground, for ~~116~~ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 ~~116~~ S, on N. face,

2200

Entire field bears N. and S.

3050

Same " " " " "

4004

Deposited a marked stone 12 ins. in the ground, for ~~116~~ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 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 ~~116~~ S, on N. face,

5350

Trail bears N. E. and S. W.

CHAINS, Subdivisions T. 28 N R. 16 E.

57.80 Trail bears N. E. and S. W.

59.20 Enter field bears N. and S.

6006 Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base over it.

In $\frac{1}{16}$ pit drove a stake 2 ft. long, 2 ins. square, 12 ins. in the ground, marked $\frac{1}{16}$ S, on N. face,

66.00 Leave field bears N. and S.

80.08 The $\frac{1}{16}$ sec. cor.

Surface gently rolling.

Soil 2nd rate.

Grass fair.

Found I was not on a
random line through
south $\frac{1}{2}$ sec. 6.

N. 13° E.

20.00 Set temporary 1-16 Sec. Cor.

40.00 Set temporary 1-16 Sec. Cor.

60.00 Set temporary 1-16 Sec. Cor.

CHAINS Subdivisions T. 28 N R. 16 E.

78.28 Intersect west boundary of
township 9 miles north of
1/16 sec. cor. Section 1
run N. 89° 56' E. on a
true line through south 1/2
sec. 6.

To: 13° E.

Over gently rolling surface.

10.15 Eastern field bears N. and S.

16.50 Same " " " "

17.50 Trail bears N. E. and S. W.

18.28 Deposited a marked stone 12 ins. in the ground,
for 1/16 Sec. Cor., dug pits 18X18X12 ins. E. and
W. of corner 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 1/16 S, on N. face,

18.50 Trail bears N. E. and S. W.

25.00 Eastern field bears N. and S.

35.00 Same " " " "

CHAINS Subdivisions T. 28 N R. 16 E.

58.28

Set a sandstone ¹⁴X ¹²X ¹³ ins., ⁹ ins. in the ground, for $\frac{1}{16}$ Sec. Cor., marked $\frac{1}{16}$ on \dots N. face, dug pits 18x18x12 ins., E. and W. of stone 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base, alongside,

5710

Enter field bears N. and S.

5780

Trail bears N. E. and S. W.

58.28

Deposited a marked stone 12 ins. in the ground, for $\frac{1}{16}$ Sec. Cor., dug pits 18X18X12 ins. E. and W. of corner 5 1-2 ft. dist., and raised a mound of earth 1 1-2 ft. high, 3 1-2 ft. base over it.

In $\frac{1}{16}$ pit drove a stake 2 ft. long, 2 ins. square, 12 ins. in the ground, marked $\frac{1}{16}$ S, on \dots N. face,

6780 Level field bears N. and S.

78.28 The $\frac{1}{16}$ sec. cor.

Surface gently rolling.

Soil 2nd rate.

Grass fair.

U. S. Surveyor-General's Office,

TUCSON, A. T., *Feb 6th* 1882

The foregoing Field Notes of the Surveys of
Subdivisions of T. 20-N.
R. 16-E. of the 1st

..... Gila and Salt River Meridian
 in *Arizona* executed by

John B. Smith

U. S. Deputy Surveyor, under his contract dated
November 2nd 1880

having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

Rapel & Johnson
 U. S. Surveyor-General
 for the Territory of Arizona.