

BOOK 1399
BOOK 1399

1399

1399

BOOK 1399

P-1

F I E L D N O T E S
O F T H E S U R V E Y O F
E X T E R I O R S .
T O W N S H I P S

17, 18 and 19 North, Ranges
18, 19, 20, 21, 22, 23, 24,
25, 26 and 27.

Gila and Salt River Base and
Meridian,
ARIZONA.

By Henry Meyrick, Jr. D.S. under
contract dated July 24th, 1882.
Survey commenced Sept. 26th 1882.
Survey completed Nov. 21, 1882.

Preliminary Oaths of Assistants.

I, G. W. Pearson, do solemnly swear that I will well and truly perform the duties of compass-

man, according to instructions given me, and to the best of my skill and ability, in the survey of the E.S. of Tps 17

N. R 22 E and the Exterior and
subdivision lines of Tps 18 &
R 20, 21, 22, 23, 24, 25 & 26 E
& Tps 19 & R 18, 19, 20, 21, 22, 23, 24 & 25
E & S. R. M.

G. W. Pearson, Compassman.

Subscribed and sworn to before me this 23rd
day of September, 1882



A. E. Shoemaker
U. S. Commissioner, 3d Judicial District,
Arizona Territory.

We, Thos Brown, W. H. Newhall
and Samuel Kent & A. W. Burt,

do solemnly swear that we will well and faithfully execute the

duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the *E. B. Trs.*

17 A. R 22 E and the Exterior ^{9th} Subdivision
lines of Trs 18 A. Rs 20, 21, 22, 23, 24, 25 &
26 E & Trs 19 A. Rs 18, 19, 20, 21, 22, 23
24 & 25 E. G. & A. R. M.

Thomas Nawa, Chainman.

W. H. Newhall, Chainman.

Samuel Kent, Chainman.

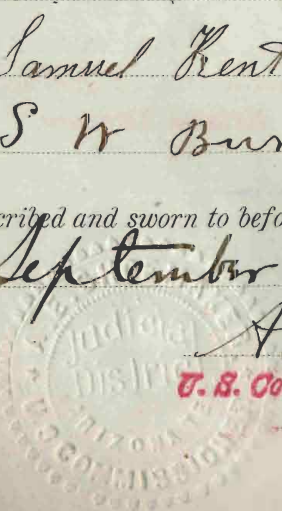
S. W. Burt, Chainman.

Subscribed and sworn to before me this 23rd

day of September, 1882

A. E. Shoemaker

U. S. Commissioner, 3^d Judicial District,
Arizona Territory.



37
26
35
14
4
21
14

J. W. H. Gray

and

I

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

E. B. Tps 17 A. R 22 E
and the Exterior and Subdivision lines of
Tps 18 A. Rs 20. 21. 22. 23. 24. 25 + 26 E
+ Tps 19 A. Rs 18. 19. 20. 21. 22. 23. 24
+ 25 E G. + S. R. M

W H Gray

, Axeman.

....., Axeman.

Subscribed and sworn to before me this 23rd
day of September, 1882



A. E. Shoemaker
U. S. Commissioner, 3d Judicial District,
Arizona Territory.

I, Geo. Kopp

de
u
d
t
n
2
1
e
o
i

I, do solemnly swear that I will well and truly perform the duties of flagman, according to instructions given me, and to the best of

my skill and ability, in the survey of the E. 1/2 of Tps 17 & R 22 E and the eastern and subdivisions of Tps 18 & Rs. 20, 22, 23, 24, 25 & 26 E & Tps 19 & Rs 18, 19, 20, 21, 22, 23, 24 & 25 E G. & S. R. 20

Geo Kopp, Flagman.

Subscribed and sworn to before me this 23rd day of September, 1882

A. E. Shemaker

U. S. Commissioner, 3d Judicial District, Arizona Territory.



37
26
25
14
2
21
14

No. 1399

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Survey commenced Apr. 25th 1882
with an

~~The instrument with which I~~
made this survey is a Burt-
improved Solar Compass
made by Otto Frenel of
Cassel Germany in 1881
nearly new and in first rate
order. I carefully examined it
and in May 1882 compared it with
the instrument which was
adjusted and corrected on the
true meridian at Tucson A. T.
and found it to be in perfect
order and adjustment. I also
further tested by re-observing

~~Survey commenced Apr. 25 1882~~
~~at the Cor. to Sps. 17 and 18 Mc~~
Rs. 22 and 23 E.

E. B. T. 17 N. R. 22 E. g. S. R. M.
g. S. R. M.

Chains I begin at the Cor. to Tps.
16 and 17 N. R. 22 and 23
E. which is a post 4 ins.
sq. marked

T. 17 N. S. 31 on N. E.

R. 23 E. S. 0 on S. E.

~~R. 22 E. S. 1 on S. N. and~~

T. 16 N. S. 1 on S. N. and

R. 22 E. S. 36 on N. E. ^{sq.} face,

with 6 notches on each edge,

and pits on line N. S. E.

and N. of post 6 ft. dist.

and a mound of earth

around post. Thence I run

North bet. Secs. 31 and 36

Na. $13^{\circ}42' E.$

Over rolling surface

40.00

Set a sandstone $20 \times 10 \times 6$ ins.

16-ins. in the ground for 1/4

Sec. Cor. marked 114

O. B. T. 17 & A. R. 22 E.

G. S. R. M.

Chairs on N. face. dug pits- 18x18x
 12 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 along side
 8100 Set a sandstone 18x12x10 ins.
 12 ins. in the ground for
 Cor. to Secs. 25, 30, 31 and 36
 marked with 1 notch on
 S. and 5 on N. 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 along side
 Surface rolling
 Soil 3rd. rate
Good grazing

North lot, Secs. 25 and 30

Na. 13° 42' E

E. B. J. 17. N. R. 22 E.

G. S. R. M.

- Chains over rolling surface
- 40.00 Set a sandstone 12x10x8 ins.
8 ins. in the ground for 14 Sec.
Cor. marked 14 on N. face
dug pits 15x15x12 ins. N. and
S. of stone 5 1/2 ft. dist. and
raised a mound of earth
14 1/2 ft. high 3 1/2 ft. base
along side
- 48.00 Ascend gradually
- 68.00 Top of spur to, N.E. and S.W.
40 ft. high. and descend
- 80.00 Set a sandstone 15x8x5 ins.
12 ins. in the ground for
Cor. to Secs. 19, 24, 25 and 30
marked with 2 notches on
S. and 4 on N. edges. dug
pits 15x15x12 ins. in each
Sec. 5 1/2 ft. dist. and raised
a mound of earth 2 ft.

C. B. T. 17 St. R. 22 E.
G. S. R M

Chairs

high 4 1/2 ft. base alongside
Surface rolling
Soil 2nd. grade
Good grazing

North bet. Secs. 19 and 24
Nor. 13° 42' E

40.00

Over rolling surface
Set a sandstone 12 x 12 x 8 ins.
8 ins. in the ground for 14
Sec. Cor. marked 14 on
N. face. dug pits 18 x 18 x
12 ins. N. and S. of stone
5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft.

80.00

high 3 1/2 ft. base alongside
Set a sandstone 20 x 6 x 6
ins. 18 ins. in the ground
for Cor. to Secs. 13, 18, 19 and
24 marked with 3 notches

O. B. T. 17 N. R. 22 E
 g. S. R. M.

Chains on S. and N. 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
 along side

Surface rolling

Soil Snd. rate

Good grazing

North pt. Secs. 13 and 15

N. 13° 42' E.

Proceed gradually

40.00

Set a 6 and 1/2 ft. 15x8x6
 ins. 10 ins. in the ground
 for 1/4 Sec. Cor. marked 1/4
 on N. face: dug pits- 18x18x
 12 ins. N. and S. of stone
 3 1/2 ft. dist. and raised a
 mound of earth 1 1/2 ft.
 high 3 1/2 ft. base along side

O. B. T. 17 St. R. 22 E.

J. L. R. M.

Chains

63.00

Top of ridge 40 ft. high to
E. and W. and descend

80.00

Set a lava stone 17X14X4 ins. 11
ins. in the ground for Cor. 15
Secs. 7, 12, 13 and 18 marked with
4 notches on S. and 2 on
St. edges. dug pits 18X18X12
ins. in beach Sec. 5 1/2 ft.
dist. and raised a
mound of earth 2 ft. high
4 1/2 ft. base along side
Surface rolling
Soil 2nd. rate
Good grazing

North bet. Secs. 7 and 12
"Na. 13° 42' E.

Over rolling land

40.00

Set a sandstone 15X74X4 ins.

E. B. T. 17 N. R. 22 E.

G. S. R. M.

Chains

11 ins. in the ground for 1/4 Sec.
Cor. marked 1/4 on N. face. dug
pits 18x18x12 ins. N. and S. 1/2
stone 5 1/2 ft. dist. and raised a
mound of earth 1 1/2 ft. high
3 1/2 ft. base along side

41.00

Enter valley bet. S. 6 to E.

80.00

Set a sandstone 16x16x4 ins. 11
ins. in the ground for Cor.
to Secs. 1, 6, 7 and 12 marked
with 5 notches on S. and 1
on N. edges dug pits 18x18x
12 ins. in each Sec. 5 1/2 ft.
dist. and raised a mound
of earth 2 ft. high 4 1/2 ft.
base along side

Surface rolling.
Soil Prod. rate of
good grazing

E. B. J. 17 St. R 22 E.
 J. S. R. M.

Chairs

North lat. Secs. 1 and 6

Sta. 13°42'E.

Over rolling valley land

40.00

Set a sandstone 15x14x4 ins. 10 ins. in
 the ground for 1/4 Sec. 67. mark-
 ed 1/4 on N. 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

50.00

Set a sandstone 40x24x4 ins.
 30 ins. in the ground for Cor. to Tps.
 17 and 18 St. R. 22 and 23 E. mark ed
 with 6 notches on each edge a dug pits
 24x18x12 ins. lengthwise on line N. S. E
 and N. of stone 6 ft. dist. and raised
 a mound of earth 2 1/2 ft. high 5 ft. base
 alongside

Surface rolling

Soil 3rd. rate

Good grazing

S. B. T. 18 N. R., 23 E. G. & S. R. M.

Chains ^{recently set by my self} From the Cor. to Tps 17 and 18
N. R. 22 and 23 East. - I run
East on a true line bet. Secs.
6 and 31

N. 14° 45' E.

7930

Over rolling valley land
allowing for convergency
Set a sandstone 12 x 10 x 8 ins.
8 ins. in the ground for
Sec. cor. marked 14 on N.
face; dug pits 18 x 18 x 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
along side

7930
~~8401~~

Set a sandstone 20 x 10 x 10 ins. in
15 ins. in the ground for
Cor. to Secs. 5, 6, 31 and 32 marked
with one notch on W. and 5 notches
on E. face. dug pits
18 x 18 x 12 ins. in each sec.

S. O. T. 18 N. R. 23 E. G. & S. R. M.

Chains 5 1/2 ft. dist. and raised m.d.
of earth 2 ft. high 4 1/2 ft.
base along side
Surface rolling
Soil sandy
Good going

Cast bet. Secs. 5 and 9 2

No. 14045-C

Over rolling surface

40.00

Set a sandstone 20 x 10 x 8
ins. 15 ins. in the ground for
1/4 Sec. cor. marked 1/4 on

W. face dug pit - 18 x 18 x 12
- E. side of slope
ins. 5 1/2 ft. dist. and raised a
mound of earth 1 1/2 ft. high
3 1/2 ft. base along side

75.00

Leave rolling land and enter
rough and broken hills to West

S. E. T. 18 N. R. 23. E. J. & R. W

Chains

8000

Set a sandstone 20x10x8 ins 15 ins
 in the ground for cor. to
 S. Sec. 4, 5, 32 and 33 marked
 with 4 nolets on E. and 2 on
 N. edges. dug pits 18x18x12 ins
~~in each S. Sec.~~ 5 1/2 ft.
 dist. and raised mound of earth
 2 ft. high 4 1/2 base along side
 Surface rolling
 Soil sandy 3rd rate
 No timber

East - bet. Secs. 4 and 33

Var. 14° 45' E.

Ascending over rough and broken
~~ground~~ surface

2300

Top. of bluff. bet. N. and S.
 125 ft. over table land below

4000

Set a Sandstone 20x10x8 ins 15 ins
 in the ground for 1/4 Sec. cor. marked
 1/4 on N. face. dug pits 18x18x12 ins.

S. & T. 18 N. R. 23 E. G. S. R. M.

Chains E. and W. of ~~Stone~~ 5 1/2 ft dist -
 and raised mound of ~~earth~~
 1 1/2 ft high 3 1/2 base along side
 51.00 Leave table land to N.W. and
 S.E. and descend along N. slope
 80.00 Set a sandstone 10 x 12 x 8 ins
 11 ins. in the ground for cor.
 to Secs. 4, 3, 33 and 34 marked
 with 3 notches on E. and W. edges
 and raised a mound of stone
 along side. Pit - ~~impr~~ ch' table
 Surface rough and rolling
 Soil sandy & red rot -
 No timber

~~East side~~ ~~table~~ ~~land~~ to Secs. 3 and 34
 N. 14 3/4 E.

33.00 Along N. slope of Rocky bluff
 40.00 Top of Rocky spur. to N. and S.
 Set ^{and} a sandstone 20 x 10 x 8 ins. in
 in the ground for 1/4 Sec Cor.

S. O. T. 18 N. R. 23 E. G. S. R. W.

- Chains marked 14 on N. face dug pits
 18 1/2 x 12 ins. Sand N. of stone
 5 1/2 ft. dist. and raised mound
 of earth 1 1/2 ft. high 3 1/2 ft. base
 along side.
- 43.00 Enter Flat - br. N. and S.
- 59.00 Leave flat and ascend rocky
 spur
- 73.00 Top. of rocky spur br. N. and S.
 60 ft. high and descend.
- 80.00 Set a sandstone 20 x 10 x 10 ins. 15 ins.
 in the ground for Cor. 15 Secs.
 2, 3, 34 and 35 marked with 2
 notches on E. and 4 on W. edges.
 and raised a mound of stone
 along side. Ditch impracticable
 Surface rough and broken
 Soil 3rd rate
 No timber
-

S. O. T. 18 W. R. 23 E. G. S. R. W.

- Chains East on ~~train line~~ bet Seco. 2 and 3 ST
 Descending rocky spur Sta. 14⁴⁵⁶
 1900 Center to bet. Cor. N and S.
 40.00 Set a sandstone 20x10x8 ins.
 15 ins. in the ground for 14 Sec
 Cor. marked 14 on N. face dug
 pits 18x18x12 ins E. and W. of Stone
 57 ft. dist. and raised mound of
 earth 1 1/2 ft. high 3 1/2 base along side
 50.00 Leave Flat for N. and S.
 and ascend rocky hill
 67.00 Top of rocky spur for N and S 50 ft high
 and descend
 80.00 Set a Sandstone 20x20x12 ins. 15 ins
 in the ground for Cor. to Seco. 1, 2, 3 5836
 marked with 1 notch on E. and 5 notches
 on W. edges and raised mound of
 stone along side Pit's impracticable
 surface rough and rolling
 Soil 3rd rate

S. O. T. 18 N. R. 23 E. G. S. R. W

Chains C. ~~on the line~~ bet Secs. 1 and 36
Va. 1440⁷ E.

Descending

18.05 Deer rocky Ravine Co N. 2.50 Chs. wide.

40.00 Set a sandstone 14x14x8 ins 10 ins

in the ground for 14 Sec. Cor.
marked 4 on N. face and
raised mound of stone
alongside *Sito impracticata*

46.50 Top of hill bet. N.E. and S.W.
100 ft. high and over table land

60.00 Leave table land bet. N and S
and descend rocky bluff

80.00 Set a sandstone 12x12x12 ins
5 ins in the ground for
Cor. to Tps. 17 and 18 N. Range
23 and 24 E. marked with 4
nails on ^{each} edge and raised
mound of stone alongside
Sito impracticata

S. O. T. 18 N. R. 23 E. G. S. R. M

Chairs

Surface broken
Soil 3rd. rate -
good grazing
Sep. 26 1882

Sec. 5, 17 N. R. 24 E. J. S. R. M.

To Dip. 17 N. R. 23 + 24 E
From the Cor. just established & mark

Chains Cast on true line bet. Secs. 6 and 31
Val. 13° 44'

Over mesa land

10.00 Descend steep bluff bet. N. and S.
36.00 Foot of same bet. N. and S. 100 ft. high
39.50 ^{aligning 50} Also for convergence
Set a sandstone 10 x 10 x 6 ins. 10

ins. in the ground for 1/4 Sec.
Cor. marked 1/4 on N. face.
dug pits 18 x 18 x 12 ins E. and W.
of stone 5 1/2 ft. dist. and raised
a mound of ^{fill} 1/2 ft. high 3 1/2 ft.
face along side

52.00 Cross wash 60 lbs. wide E. & N. E.
80.00 Set a sandstone 20 x 10 x 12 ins. 15
79.50 ins. in the ground for Cor. to
Secs. 5, 6, 31 and 32 marked with
5 notches on E. and 1 ^{notch} on N.
edges. dug pits 18 x 18 x 12 ins
in each Sec. - 5 1/2 ft. dist. and
raised ind. of earth 2 ft. high 4 1/2 ft.

N. Q. 17 N. Q. 246 J. S. R. M.

Chains base alongside
 Surface Rolling
 Soil 2nd. rate
 No timber

East on true line bet. Secs. 5 and 32
 No. 13° 44'

Over valley land.

40.00

Set a sandstone 15x10x6 ins.
 10 ins. in the ground for 1/4 Sec.
 Cor. marked 1/4 on N. face dug
 pits 18x18x12 ins. East N. of stone
 5 1/2 ft. dist. and raised mound
 of earth 1 1/2 ft. high 3 1/2 ft.
 base alongside.

80.00

Set a sandstone 15x10x6 ins.
 10 ins. in the ground for
 Cor. to Secs. 4-5-32-33 marked
 with 4 notches on E. and 2 notches
 on N. edges dug pits 18x18x12 ins.

W. R. T. 17 W. R. 240. G. S. R. M.

Chains in each Sec. 5 1/2 ft. dist.
and raised a mound of earth
2 ft. high 3 1/2 ft. base along side
Surface rolling
Soil 2nd rate
No timber.

Cast on true line bet. Secs. 4 & 33
Val. 13° 44' 2

40.00

Set a sandstone 15x6x4 ins.
10 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 mound of
earth 1 1/2 ft. high 3 1/2 ft. base
along side

57.10

Dry wash 200 lbs. w. co. N.

80.00

Set Va sandstone 20x10x4 ins 10 ins
in the ground for Cor. to Seco.

W. B. T. 17 W. R. 4 C. J. S. R. W.

Chains 3, 4, 33 and 34 marked with
~~3~~ notches on E. and W. edges
 and raised a mound of stone
 along side. Pits impracticable
 Surface Rolling
 Soil 3rd. red
 No timber

East on true line ft. Secs. 3434
 Va. $13^{\circ}44'E$.

Over valley land

27.24

Dry wash 210 links w. c. N. 40° W

40.00

Set a sandstone $15 \times 10 \times 6$ ins 10 ins
 in the ground for 1/4 Sec. Cor.
 marked 1/4 on N. face dug
 pits - $18 \times 18 \times 12$ ins. E. and W. of
 stone $5\frac{1}{2}$ ft. dist and raised
 md. of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side

N. B. T. 17 N. R. 24 E. 2 S. R. M.

Chains
80.00

Set a piece of petrified wood 10x8x8 ins 7 ins. in the ground for Cor. 10.
 Secs. 2-3-~~34~~-35 marked with 2 moltes on E. and 4 on N. edges 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 along side
 Surface Rolling
 Soil 2nd rate
 No timber. Good grazing

East on a true line bet. Secs. 2-35
Va. 13446

Over valley land

19.20
400.00

Dry wash Co. N.W. 20 links w. i.
 Set a piece of petrified wood 10x8x8 ins 7 ins in the ground for 1/4 Sec. Cor. marked

N. Q. T. 17 N. R. 24 E. G. S. R. M

Chains 114 on N. face dug pits - 8
 x 18 x 12 ins E. and W. ^{from pit} of stone
 5 1/2 ft. dist. and raised mound
 of earth 1/2 ft. high 3 1/2 ft.
 base along side.

4200

Dry wash 20 lbs. wt. co N.W.

8000

Set a sandstone 17 x 10 x 4
 ins 12 ins in the ground for
 Cor. to Secs. 1-2-35 and 36
 marked with 1 notch on E
 and 5 on W. edges 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 along side

Surface Rolling
 Soil 2nd rot -

Wolunteer Good grazing

N. & S. 17 N. R. 24 E. G. S. R. M.

Chains East on true line bet. Secs. 1 and 36.
 Va. $13^{\circ}44'E$

Over valley land

- 15.00 Leave valley land br. $N70^{\circ}W$
 and ascend over broken surface
- 38.00 Dry wash 20 fts. wide Co. S.W.
- 40.00 Set a sandstone $20 \times 8 \times 6$ ins
 15 ins. in the ground for
 1/4 Sec. Cor. marked 1/4 on
 N. face and raised mound
 of stone along side. Sit. impracticable
- 47.00 Dry wash 20 fts wide Co. N.W.
- 52.00 Dry wash 20 fts. wi. Co. S.W.
- 76.00 Top of hill br. N. and S. 100
 ft. high and descend over
 rolling valley

N. B. T. 17 N. Range 240. G. S. R. M.

Chairs

8000

Set a sandstone 24x18x10 ins
10 ins in the ground for
Cor. 15 Tps. 17 and 18 N. R. 20,
24 and 25 E., marked with
knobs on each edge dug pits
24x18x12 ins long three on each
line N. S. E. and N. of stone 4
ft. dist. and raised a mound
of earth 2½ ft. high 5 ft. base
along side

Surface Running
Soil 3rd rate
Good grazing

September 20th 1882

I carefully examined the adjust-
ments of my Solar Compass to-day
particularly the latitude and reversing
apparent and found them correct.

C. C. T. 18 N. Q. 23. E. 9. S. R. W.

From the Cor. ^{5. 1/2 mi. 17919 N. R. 23724 E.} first established
 corner

Chains North to 31 and 36

Var. 14' 45" E

200 North Edge of bluff to E. and W.
 and descend steep bluff.

30.00 Foot of bluff to E. and W. 250 ft high
 and over low rolling valley land

40.00 Set a sandstone 12x10x8 ins 8
 ins in the ground for 1/4 Sec.
 Cor. marked "4" on N. face
 dug pits 18x18x12 ins. N. and
 S. of stone 5 1/2 ft. dist and raised
 mound of earth 1 1/2 ft. high to
 3 1/2 ft. base along side

80.00 Set a sandstone 12x11x7 ins.
 8 ins. in the ground for Cor. to
 Secs. 28-30-31-32 marked with
 1 notch on S. and ^{not cho} on N. edge
 dug pits 18x18x12 ins in each
 sec. 5 1/2 ft. dist and raised a
 mound of earth 2 ft. high

O. P. T. 18 N. R. 23 E. q. S. R. M.

Chains $4\frac{1}{2}$ ft. - base along side
 Surface Rolling and Rough
 Soil 2nd. rate
 No timber

North-tt-sec. 25 and 30.

Va 144-58

Over valley land

40.00 Set a sandstone $14 \times 10 \times 9$ ins
 9 ins in the ground for
 14 Sec. cor. marked 44 on
 W. face. dug pits $18 \times 18 \times 12$
 ins. N. and S. of cor. $5\frac{1}{2}$
 ft. dist. and raised mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base along side

78.00 ~~Top of hill to E. and W~~
 50 ft. high and distant

80.00 Set a sandstone $24 \times 12 \times 18$
 15 ins in the ground for cor.

C. C. T. 18 N. R. 23 E. 9 S. R. W

Chains to Secs. 19-24-25 and 30 marked with 2 notches on S. and 4 on North edges. 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 along side.

Surface Rolling
Soil 2nd. rate
No timber

North pt. Secs. 19 and 24
Va 14° 45' E.

19.60

Wash 200 bules wide Co N.W. and ascend gradually

40.80

Set a sandstone 12x10x10 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 mound of earth 1 1/2 ft high

C. R. T. S. N. R. 230 J. S. R. M.

- Chains 3½ ft. base along side
 78.00 Top of hill br. E. and W. 50 ft.
 high and descend.
 800.0 Set a sandstone 20x12-10 ins
 15 ins in the ground for
 Cor. to Secs. 13-18-19-24
 marked with 3 notches on E.
 and N. edges dug pits 18x18x12
 ins in each sec. 5½ ft. dist.
 and raised mound of earth
 2 ft. high 4½ ft. base along side
 Surface Rolling and Rough
 Soil 2nd rate
 No timber

North to Secs. 13 and 18
 Va. 14°39' N.

3200 Descending gradually
 Enter Rio Puerco Valley
 br. East and W.

Q. F. T. 18 N. R. 23 E. G. S. R. M.

Chairs
40.00

Set a sandstone 12x10x8 ins
8 ins in the ground for 1/4
Secs Cor. marked 1/4 on
W. face dug pits 18x18x12
ins N and S. of stone 5 1/2
ft. dist. and raised mound
of earth 1 1/2 ft. high 3 1/2 ft.
base alongside

74.00

Outer Rio Puerco River Co W.

84.00

Set a sandstone 14x12x10 ins
8 ins in the ground for

W.C.

Cor to Secs. 7-12-13 and 18
marked with 4 notches on S.
and 2 on W. edges. also the
letters W.C. 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 alongside
This corner is set ^{the} on bank
of Rio Puerco River.

Q. O. T. 18 N. R. 23 E. T. S. R. M.

Chains Surface Rolling
Soil 2nd. rate -
No timber

North 1/4 Sec. 7 and 12

Ta. 14° 39' E.

Over valley of Rio Puerco River

20.94

Atlantic and Pacific R.R. trs.

N. 87° 45' E. and S. 87° 45' W

21.83

Western Union Telegraph line

tr. N. 87° 45' E.

22.66

Wagon Road trs. S. 85° W.

30.00

Leaves valley trs. E and W. and

ascend gradually

40.00

Set at sandstone 12x10x9 ins

pins 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

Q. B. T. 18 N. R. 23 E. G. S. R. M.

- Chains dist and raised mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side
- 6600 Top of low ridge to. Cane W. 70 ft. high
- 8000 Set a sandstone $20 \times 14 \times 8$ ins. 15 ins in the ground for Cor. to Secs. 1-12-6-7 marked with 1 notch on N. and 5 notches on S. edges, dug pits $18 \times 18 \times 12$ ins in each Sec. $5\frac{1}{2}$ ft. dist. and raised mound of earth 2 ft. high $4\frac{1}{2}$ ft. base along side.
- Surface Rolling
Soil 2nd rate
No timber

Q. C. T. 18 N. R. 23 E. 9 S. R. M.

Chains North bet. Secs. 1 and 6 20

Va. 14° 39'

Descend gradually

35.00 Center flat top, 6 and N. ~~350~~
~~units wide~~

40.00 Set a sandstone 12x10x6 ins
5 ins in the ground for 4
Seco Cor. marked with
1/4 on West. face. dug pits
18x18x12 ins N. and S. of
stone 5 1/2 ft. dist. and raised
mound of earth 1 1/2 ft. high
3/2 ft. base along side

80.00 Set a sandstone 20x12x8 ins
15 ins in the ground for Cor
to Sec. 1, 2, 3, 4, 5, 6

Rang. 23 and 24 E. Township 18-99 N.
marked with 6 notches on each
edge. dug pits 24x18x12 ins
lengthwise on each line

G. O. S. 18 W. R. 23 E. G. S. R. W.

Chains

N, S, E, and W. of stone 6 ft.
dist. and raised a mound
of earth - $2\frac{1}{2}$ ft. high 5 ft. base
along side

Surface Rolling

Soil 2nd. rate

No timber

September 28, 1882

North-C. T. 8 W. R. 24E. 9 S. E. M.

Chains Starting from the Cor. to
Tps. 18 and 19 N. R. 23 and 24
E. Recently established by
my self. I ran a random
line C. setting temporary cor.
at every 40 and 80 Chs. and
at 478.91 Chains intersect 20
M. N. of Cor. on 0th Guide
Meridian which Cor. was
recently established by my self.
Thence I run N. 89° 59' W. on
a true line with ~~an~~ ~~va.~~

~~N. 89° 59' W.~~ West. 1/4 Secs. 1 and 36

Va. 13° 48' 0

4000 Over valley of Rio Puerco River
Set a sandstone 10 x 8 x 8 ins
7 ins in the ground for 1/4
Sec. Cor. marked 1/4 on
N. face dug pits - 18 x 18 x 12
ins E. and W. of stone

N. B. T. 18 N. R. 24 E. of S. R. W.

Chains 5 1/2 ft. dist. and raised mound
of earth 1 1/2 ft. high 3 1/2
ft. base along side

50.00 Set a sand stone 13x10x10
ins 9 ins in the ground
for Co. to Secs. 1-2-35-36
marked with ^{one} notch
on East- and ^{notch} on West edges
dug pits-18x18x12 ins. in
each sec. 5 1/2 ft. dist. and
raised mound of earth
2 ft. high 2 1/2 ft. base along side
Surface Rolling
Soil 1st and 2nd rate
No timber

N. 89° 59' West on true line bet. Secs. 24 & 35
Va 13° 48' E.

Over rolling valley of Rio Puerco
Enter Rio Puerco Wash. Co. & W.

N. B. S. 18 N. R. 24 E. G. S. R. M.

- | | |
|--------|--|
| Chains | 2 |
| 31.40 | Leave same Co S. W. |
| 40.00 | Set a Pine post 3 ft. long
4 ins. square with marked
stone 12 ins. in the ground
for 14 Sec. Cor. marked 14 ^S on
N. face dug pits 18 x 18 x 12 ins
E. and W. of post 5 1/2 ft. dist.
and raised mound of earth
1/2 ft. high 3 1/2 ft. base around post |
| 46.80 | Atlantic and Pacific R. R.
br. S. 65° W. |
| 48.70 | Western Union Tele. rap line
br. S. 65° W. |
| 61.70 | Wagon road br. N. 60° E. |
| 80.00 | Set a sandstone 20 x 12 x 4 ins
10 ins in the ground for
Cor. 15 Secs. 2, 3, 34 and 30
marked with 2 notches on
E. and 4 on N. ^{notches} edges |

N. B. S. 18 N. R. 24 E. J. S. R. M.

Chains 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 along side.
 Surface Rolling
 Soil 2nd rate
 Some Pine timber

N. 89° 59' West on a true line bet Sec. 3 and 34
 Ta. 13° 48' E.

Over Rolling country

4000 Set a sandstone 18x12x10
 ins. pins in the ground
 for 1/4 Sec. Cor. marked
 1/4 on N face dug pits
 18x18x12 ins E. and W.
 of Cor. 5 1/2 ft. dist. and
 raised a mound of earth
 along side.

N. 83. S. 18 N. R. 24 E. G. S. R. 70

Chains

80,000

Set a sandstone 12x10x5 ins
 8 ins in the ground for
 Cor to Secs. 3, 4, 33 and 34
 marked with 3 notches on
 E. and W edges. dug pits 18x
 18x12 ins in each sec.
 5 1/2 ft. dist and raised a
 mound of earth 2 ft. high
 3 1/2 ft. base along side.

Surface Rolling
 Soil 2nd val
 No timber

N. 89° 59' West on true line bet Secs. 4 & 33
 Va. 13° 48' E.

4000

Over low Rolling Country
 Set a sandstone 10x8x7
 ins. 7 ins in the ground

N. B. 18 N. Q. 24 E. G. S. R. 70.

Chains for 1/4 Sec Cor. marked
 1/4 on N. face dug pits
 18 X 18 X 12 ins. E and W.
 of stone. 5 1/2 ft. dist. and
 a mound of earth
 1 1/2 ft. high 3 1/2 ft. base
 along side

8000 Set a sandstone 14 X 10 X 4
 ins 9 ins in the ground
 for Cor. to Secs. 4, 5, 32
 and 33 marked with
 4 notches on E. and 2 on
 W. edges 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
 3 1/2 ft. base along side
 Surface Rolling
 Soil 2nd rate
 No timber

N. B. S 18 N. B. R. 24 C. J. S. B. M.

N. 89° 30' E
Chains

West on a true line bet. Secs. 5 and 32
Ta 13° 48' E.

Over low Rolling land
Set a saw stake 16 x 16 x 12
ins 11 ins in the ground
for 1/4 Sec. Cor. marked
1/4 on N. face dug
pits 18 x 18 x 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 along side

40.00

8000

Set a saw stake 13 x 10 x 10 ins
9 ins in the ground for
Cor. to Secs. 5, 6, 31 and 32
marked with 5 notches on
E. and ^{N.W.} W. edges 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 along side

N. B. S. 18 N. R. 24 E. G. & B. M.

Chains Surface Bolling
Soil Sand rate
Good grazing

N. 89° 59' 40.00 West on a true line bet Secs. 6 & 31
Set a sandstone 18 x 8 x 5 ins
12 ins in the ground for
1/4 Sec. Cor. marked 4 on
N. face 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
along side.

78.91 Entered Cor. from which
I started

Sep. 29, 1882

C. B. T. 19 N. R. 23 E. G. S. R. M.

From the ^{to Secs 12, 19, 23, 24, E.} Cor. just established, I run
 Chains North bet. Secs. 31 and 30
 Va $14^{\circ}30' E.$

Ascending gradually
 40.00 Set a sandstave $12 \times 10 \times 5$ ins
 8 ins in the ground for 1/4 Sec.
 Cor. marked 1/4 on N. face
 dug pits $18 \times 18 \times 12$ ins N. and S.
 of ~~Sec.~~ ^{stone} $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base along side

80.00 Set a sandstone $20 \times 12 \times 10$ ins
 15 ins in the ground for Cor.
 to Secs. 25, 30, 31 and 36 marked
 with 1 notch on S. and ^{notches} 5 on
 N. edges dug pits $18 \times 18 \times 12$ ins
 in each sec $5\frac{1}{2}$ ft. dist.
 and raised a mound of earth
 2 ft. high $4\frac{1}{2}$ ft. base along sea
 surface rolling
 Soil 2 in. soil
 good grazing

C. B. T. & M. R. 23 Co. J. S. R. M.

Chains North lot Secs. 25 and 30

Va. $13^{\circ}55'E$

40.00

Set a sandstone $13 \times 10 \times 10$ ins
8 ins in the ground for 1/4 Sec.
Cor. marked $\frac{1}{4}$ on N face
dug pits $18 \times 18 \times 12$ ins. N and
S. of stone $5\frac{1}{2}$ ft. dist and
raised a mound of ~~the~~ earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side

50.00

Descend gradually

80.00

Set a sandstone $124 \times 13 \times 12$
ins 18 ins in the ground
for Cor. to Secs. 19, 24, 25 and
30 marked with 2 notches
on S. and 4 on N. edges;
dug pits $18 \times 18 \times 12$ ins in each
Sec. $5\frac{1}{2}$ ft. dist and
raised a mound of
earth 2 ft. high $3\frac{1}{2}$ ft.
base along side

C. B. S. 19th M. R. 23rd E. J. S. R. W.

Chains	Surface Rolling prairie Soil 2nd rate <u>Good grazing</u>
	North bet. Secs. 19 and 24 Va. 13° 55' E.
1800	Descending gradually Cross sag 100 ft. Below Ridge Co. W. V.
1858	Overland Stage road to N. 80° E. and ascend gradually
35.00	Top of break to S. 180° W.
40.00	Set a sandstone 18x12x4 in 12 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 along side
41.00	Enter to lat. to Sand W.

C. B. T. R. R. 23 Co. G. S. R. M.

Chains

67.29

80.00

Cross wash Co. N. 50° W.
 Set a sandstone 18x8x8 ins
 12 ins in the ground for Cor.
 to Secs. 13, 15, 19 and 24 marked
 with 3 notches on Sand N.
 edges dug pits 18x8x12 ins
 in each Sec. 5 1/2 ft. dist.
 and raised a mound of
 earth 2 ft. high 4 1/2 ft.
 base along side
 Surface rolling
 Soil 2nd. rate
 good grazing

North ^{Sec.} 13 and 18

Ta 13° 55' E.

Over flat

Leave flat - to E. and W. and
 ascend bluff

200

C. Q. T. 19 N. R. 23 E. J. S. R. M.

Chains

- 9.00 Top of bluff frs. Q. and W. 100 ft high
 10.00 Descend over rough broken
 bad lands
 35.00 Point of bluff frs N. E. and S. W.
 39.75 Foot of bluff
 +4.00 Set a sandstone 18 X 18 X 6 ins
 12 ins. in the ground for
 1/4 Sec. Cor. marked 1/4 on
 N. face; dug pits 18 X 18 X 12
 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
 along side
 60.00 Foot of bad lands
 74.00 Top of spur frs. Q. and W.
 78.50 Center flat frs. Q. and W.
 80.00 Set a sand stone 20 X 10 X 8 ins
 10 ins in the ground for
 Cor to Secs. 7, 12, 13 and 18

G. B. S. 19 N. R. 23 E. g. & R. M.

Chains marked with 4 notches on S.
and 2 ^{notches} on N. edges; dug pits
18x18x12 ins in each sec. 5½
ft. dist. and raised a mound
of earth 2 ft. high 4½ ft.
base along side

Surface rolling and rough
Soil 2nd rate

Good grazing

North bet. Secs. 7 and 12

Pa. 13° 55' E.

Over flat

25.00

6.00

4.00

Enter Carrizo wash ^{CO.} br. S 75° W.
Leave same

Set a sandstone 20x10x6 ins
15 ins in the ground for
14 Sec. Cor. marked 1/4 on
N. face dug pits - 18x18x12 ins
N. and S. of stone 5½ ft.

C. B. T. 19 N. R. 23 Q. J. S. R. M.

Chains dist^d and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side

71.00 Outer wash Co. S 30° W.
hence upward

80.00 At a point 100 Chain Co. of true
line I set a sandstone $20 \times 20 \times$
 4 ins. 15 ins in the ground for
W. Co. to Secs. 1, 6, 7 and 12 marked
W. Co. and with 5 notches on S.
and 1 ^{notch} on N. edge. dug pits
 $18 \times 18 \times 12$ ins in each sec. $5\frac{1}{2}$
ft. dist^d and raised a mound of
earth 2 ft. high $4\frac{1}{2}$ ft. base
along side

Surface rolling and rough
Soil 3rd rate
Good grazing

G. C. S. 19 N. R. 23 E. J. S. & M.

Chains North bet. Secs. 1 and 6
Va 13° 55' E.

Ascending

9.50 Leave Wash Co. S.

2.00 Foot of bluff bet. E. and W.

7.00 Top of bluff.

0.00 Set a sandstone 40 x 30 x 12 ins
30 ins. in the ground for 1/4 Sec.
Cor. marked 1/2 on N. face dug
pit - 18 x 18 x 12 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 along sides

2.00 Set of bluff bet. E. and W.

7.00 Off sett 200 Chains E. to avoid
bluff hence N.

7.00 Off sett back to true line

0.00 At a point 50 links West of
true point. Set a sandstone
24 x 10 x 8 ins 18 ins in the ground

O. W. S. 19 N. R. 23 & J. S. B. M.

Chains for W. C. to the Cor. to Tps. 19 and 20 N. Ranges 23 and 24 & marked W. C. and with 6 notches on each edge dug pits 24 x 18 x 12 ins lengthwise on each line N. S. E. and W. of stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside

Surface Broken
Soil 3rd red
No timber

I carefully examined the adjustments of my Solar Compass to-day particularly the latitude and reversing apparatus and found them correct
September 30 1852

North B. S. 19 N. R. 24 E. G. S. R. M

Chains Starting from the Cor. ^{just established} 10 ^{by run}
 Sps. 19 and 20 N. R. 23 and 24
 East - I ran a random
^{wrote a cor. of 14°30' E}
 line, Cor. being temporary $\frac{1}{4}$ and
 Sec. Cor. at way 40 and 80
 Chains and at 478.00 Chains
 Dubied Cor. on ^{No. Sps 19-20 N. R. 23-24 E} Quad
 Meridian 90 links north ^{established}
 Cor. which was recently ^{set}
 by myself under this contract
 Thence I run N. 89°54' W
 on a true line bet. Secs 1 & 36
 Va. 14°30' E.

Ascending gradually over
 open prairie land

4000
 Set a sandstone 14x12x6 ins
 10 ins in the ground for $\frac{1}{4}$ Sec. Cor.
 marked $\frac{1}{4}$ on N. face dug
 pits - 18x18x12 ins $\frac{1}{4}$ land
 N. of stone 5 $\frac{1}{2}$ ft. dist. and

N. B. T. 19 N. R. 24 E. 9, 8, R M.

Chains raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. base along side
 80.00 Set a sandstone 20x14x10
 ins. 15 ins in the ground
 for Cor. to Secs. 1, 2, 35 and
 36 marked with notch on
 E. and ^{notches} 5 on W. 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 along side
 Surface rolling and level
 Soil 1st rate
 Good grazing

N. 89° 54' W. on a true line bet. Secs. 2 & 35
 Va. 14° 30' E

Over high prairie land
 40.00 Set a sandstone 20x13x10
 ins. 15 ins in the ground

N. B. S. 19 N. R. 24 Co. G. S. R. M

Chains

for $\frac{1}{4}$ Sec cor marked
 $\frac{1}{4}$ on N. face dug pits-
 18x18x12 ins \odot and
 N. of stone $5\frac{1}{2}$ ft. dist-
 and raised a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side

40.00

Edge of Breaks bear N. and
 S. and descend

80.00

Set a lava rock 16x9x
 3 ins 11 ins in the ground
 for Cor. to Secs. 2, 3, 34
 and 35 - marked with
 2 notches on \odot and ^{4 notches} N.
 edges dug pits- 18x18x12 ins
 in each sec $5\frac{1}{2}$ ft. dist-
 and raised a mound of
 earth 2 ft. high $4\frac{1}{2}$ ft.
 base along side

N. B. T. 19 M. R. 24 C. J. S. R. M.

Chains Surface Rolling
Soil 2nd rate
Good grasping

N. 89° 54' W. on a true line to Sec. 3, 8, 34
Va. 14° 30' E

Descending ~~to~~ rough
and broken surface.

4000

Set a lava rock
10x9x6 ins 7 ins in the
ground for 1/4 sec. Cor.
marked 4 on N. face dug
pit 18x18x12 ins E and W.
of stone 5 1/2 ft. dist. and
crossed a mound of earth
1 1/2 ft. high 3 1/2 ft. base along side
center flat thro. N. and S.

4200

6000

8000

Leave same and as end
Set a lava rock 15x9x8
ins 10 ins in the ground for

N. B. T. 19 N. R. 24 E. g. S. R. M.

Chains Cor 1: Secs. 34, 33, and 34
 marked with 3 notches on
 E. and W. edges dug pits
 18x18x12 ins in each sec.
 5½ ft. dist. and raised a
 mound of earth 2 ft. high
 4½ ft. base along side
 Surface rolling and rough
 Soil 3rd rate
 good grazing

N 89° 54' W. on a true line bet sec 34 + 33
 Va 14° 30'

around

Over high prairie land, around
 Top of hill bet. N. and S. and descend
 Got a sandstone 18x6x6 ins
 12 ins in the ground for
 ¼ Sec. Cor. marked ¼ on N. E.
 face and raised a mound
 of stone along side

N. 69° 54' W. 19 Ch. R. 24 Co. G. S. R. M.

Chains	Ditch impracticable
52.00	Edge of bluff bet. N. and S. and descend steep slope
70.00	Foot of bluff bet. N. and S. top 1 ft. high
80.00	Set a sandstone 12 x 9 x 9 ins. firm in the ground for Cor. to Secs. 4, 5, 22, 23 marked with 4 notches on East- and 2 on ^{with} N. edges. and raised a mound of stone along side. Ditch impracticable
	Surface Rolling
	Soil 2nd. rate
	<u>No timber</u>

N. 89° 54' W. on true line bet. Secs. 5 & 22
 Va. 14' 30" Co

Descending

600

Center flat bet. N. W. and S. Co.

P. S. 19 N. R. 24 E. G. S. R. M.

- 0.50
0.25
0.00
- Set a sandstone ^{bed} 14 x 11 x 3
ins. 9 ins. in the ground
for Sec. Cor. marked
 $\frac{1}{4}$ on N. face dug pits
18 x 18 x 12 ins. E and W. of
stone. $3\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
along side
- 0.20
0.00
- Leave flat - br. S. 10° W. ground
Top of bluff br. N. and S.
and mound
- 0.00
- Set a lava ^{stone} 16 x 11 x 5 ins
11 in the ground for Cor.
to Secs. 5, 6, 31 and 32
marked with - 5 notches on
E and 1 on ^W N. edges

N. B. T. 19 N. R. 24 E. g. S. R. M.
 N. B. T. 19 N. R. 24 E. g. S. R. M.

Chains and raised a mound of
 stone along side. Pits impracticable
 Surface rolling
 Soil 2nd rate
Good grazing

N. 89° 54' W. on a true line bet Secs. 10 and 31
 Va 14° 30' E

Descending

2.00 Enter Sag. br. S 30° W

40.00 Set a sandstone 20 x 12 x 9 ins
 15 ins in the ground for $\frac{1}{4}$
 Sec. Cor marked $\frac{1}{4}$ on N
 face dug pits 18 x 18 x 12 ins E.
 and W. of stone $5\frac{1}{2}$ ft. dist.
 and raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside

44.00 Leave sag. br. N and S
 and ascend

Oct. 3. S. 19 N. R. 24 E. g. S. R. M.

Nov. 3. S. 19 N. R. 24 E. g. S. R. M.

Chains

76.00 Point of spur br. N. and S. 50 ft. high and descend

77.10 Dry Wash 75 links wide Co. S 20° E. and ascend

78.00 Entered - Cor. from which I started. to Apr. 19. 20 N. Rs. 23 and 24 E. from which I started

September 3rd 1882

I carefully examined the adjustments of my Solar Compass to-day particularly the latitude and reversing apparatus and found them correct

C. W. T. 18 N. R. 22. E. J. L. R. M

- Chains From the Cor. to Tps. 17 and 18. N. R. 22 and 23 East - which was recently established by myself. I run North Belt, Secs. 31 and 30
- Va. 14° 45'
- Over rolling table land
- 5.50 Cross wash 51 links wide for Course N. W.
- 40.00 Set a lava rock 14 x 12 x 7 ins pins in the ground for $\frac{1}{4}$ Sec. Cor. marked & on N. face and raised a mound of stone alongside Pitt. impracticable
- 78.00 Wagon road to N. E. and S. W.
- 80.00 Set a lava stone 14 x 9 x 6 ins pins in the ground for Cor. to Secs. 25, 30, 31 and 30 marked with notch on S. and 6 on N. edge w. dug pit - 18 x 18 x 10

P. T. 18 N. Q 22 E. G. S. B. W.

chains
ins in each sec. $5\frac{1}{2}$ ft. dist.
and raised a mound
of earth 2 ft. high $4\frac{1}{2}$
ft. base along side
Surface Rolling
Soil 2nd rate
Good grazing

North on true line bet. Secs. 25 and 20
N. $13^{\circ} 54'$ E.

Over high table land

Set a sandstone $10 \times 10 \times 4$ ins
10 ins. in the ground for
 $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
on N. face dug pits $18 \times 18 \times 12$
ins N. and S. of stone $5\frac{1}{2}$ ft.
dist and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base along side

Q. R. S. N. R. 22 E. J. S. R. M

Chains
80.00

Set a sandstone 20 x 10 x 10 ins
15 ins in the ground for.
Cor. to Secs. 19, 24, 25 and 30
marked with 2 notches on S.
and 4 ^{notches} on N. edges. dug pits
18 x 18 x 12 ins. in each sec. 5 1/2 ft
dia and raised a mound of
earth 2 ft. high 4 1/2 ft.
base along side.

Surface Rolling
Soil 2nd rate
good grazing

North bet. Secs. 19 and 24
Va. 1854 E

Over high tableland

40.00

Set a sandstone 12 x 10 x 5
ins 8 ins in the ground
for 7 Sec. Cornmarked

C. B. T. 18 N. R. 22. E. G. S. R. M.

Chains $\frac{1}{4}$ on N. face dug pits 18x18x12
ins N. and S. of stone $5\frac{1}{2}$
ft. dist. and raised a
mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. base along side

59.00 Top of Rocky point -
br. E. and N. 100 ft. high

60.00 Set a sandstone 16x16x4 ins
11 ins in the ground for
Cor. to Secs. 13, 18, 19 and 24
marked with 8 notches on
E. and N. edges.

dug pits 18x18x12 ins in each.
Sec. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. base along side
Surface Rolling
Soil 2nd. rate.
Good grasping

C. B. T. M. R. 22 Co. J. L. R. M.

- Chains North pt. Secs. 13 and 18 Va 13° 54' E.
- 13.00 Center Valley Co. Va and W.
- 40.00 Set a sandstone 13 x 10 x 8 ins 9 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face and dug pit - 18 x 18 x 12 ins N. and S. of Cor. $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $2\frac{1}{2}$ ft. base along side Atlantic and Pacific R.R. bears N. 17° E.
- 79.30 Set a pine post 4 ft. long 4 ins sq. with marked stone 12 ins in the ground for Cor. to Secs. 7, 12, 13 and 18 marked S. 15 N. S. 7 on N. Co R. 23 ^{E.} on Sec. 18 on S. Co S. 13 on S. W. and Sec. 12 on North-West face
- R. 22 E. -

E. O. T. 18 N. R. 22 Co. J. S. A. M.

Chains

with 4 notches on Sand 2
on N. 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 around post
Surface rolling
Soil 2nd rate
good grazing

North bet. Secs. 7 and 12

Na. 13° 54' ~~W~~

150
3072
37,20

N. W. T. line bears N. 17° 18' ~~W~~ ^{2 S. 17° W.}
Rio Puerco 8 slides w. Co. W.
Set a sandstone 14x12x8 ins
9 ins in the ground for 1/4 sec.
N. E. marked 1/4 N. E. on N.
face dug pits 18x18x12 ins
5 1/2 ft. dist. and raised a
mound of earth 1 1/2 ft. high
3 1/2 ft. base along side

Q. B. A. 18 N. R. 22 E. G. S. R. M.

Chains Starting from N. C. I ran
14 Chains East; then 15 Chains
N. then 14^{1/2} N. on to Sec. line
to get around lake

87, 88
80, 80

Set a sandstone 12 x 12 x 10 ins
8 ins in the ground for
Cor. to Secs. 1, 6, 7 and 12
marked with 5 notches on
S. and 1 on ^{each} N. edges. 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 alongside

Surface Rolling

Soil 3rd rate

Good grazing

North bet. Secs. 1 and 6

No 1354'

Poor rolling valley land

C. O. T. 18 N. R. 22 E. G. S. & M.

Chains

40.00

Set a sandstone $10 \times 7 \times 7$ ins
7 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 N. and S. of stone $6\frac{1}{2}$
ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base alongside

42.00

Wagon road \checkmark brs. N. E & S. W.

45.80

Cross wash 6 units wide Co. S. W.

80.00

Set a sandstone $36 \times 24 \times 4$ ins
27 ins in the ground for
Cor. to Twp. 18 and 19 N. R.
22 and 23 East marked
with \odot notches on each edge
dug pits $18 \times 18 \times 12$ ins lengthwise
on each line N. S. E. and N.
of stone 6 ft. dist. and raised
a mound of earth $2\frac{1}{2}$ ft. high

C. C. T. 18 N. R 22 C. J. S. A. M.

Chains 5 ft. base along side
 Surface Rolling
 Soil 2 nd. rate
Good grazing

Oct. 2nd 1882

N. B. T. 18 N. R. 23 E. of S. R. M.

Chains Starting from the Cor. to Tps. 18 & 19 N. R. 22 and 23 East ^{the result by} ~~the result by~~ ^{me} ~~me~~
 I ran a random line East ^{unit} Va. 133° 8' E.
 setting temporary $\frac{1}{4}$ and Sec. Cors.
 at ²⁴⁰⁰ 40 and 80 Chains, and at
 479 Chains I intersected ^{20 links N of} the Cor.
 to Tps. 18 and 19 N. R. 23 and 24
 East, which was recently ^{what I had} set
 by ~~myself~~ ^{me} under this Contract.
 Thence I run N. 89° 59' W.
 on true line bet Secs. 1 and 36
 Va. 14° 30' E.

40.00

Over prairie land sloping
 gradually to the South
 Set a sandstone 12 x 10 x 8 ins
 8 ins. in the ground for $\frac{1}{4}$
 Sec. Cor. marked $\frac{1}{4}$ on N.
 face dug pits 18 x 18 x 12 ins
 E. and W. of stone $5\frac{1}{2}$ ft.
 dist. and raised a mound

N.B. T.M. R. 230. J.S. R.M.

Chains of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side.

80.00

Set a sand stone $20 \times 20 \times 18$ ins
15 ins in the ground for Cor.
to Secs. 1, 2, 35 and 36 marked
with one notch on East and
5 on West edges dug pits 18×18
 $\times 12$ ins in each sec $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth 2 ft. high $4\frac{1}{2}$ ft.
base along side

Surface rolling

Soil and rot

Good grazing

N. $89^{\circ}59'N$. on true line bet. Secs. 2 and 35

Over prairie land N. $14^{\circ}30'E$.

40.00

Set a sandstone $14 \times 12 \times 8$ ins
9 ins. in the ground for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on

No. 1899

N. W. T. S. M. R. 23 C. G. S. R. M.

Chambers N. face dug pits - 18x18x12
ins C. and N. of stone 5½
ft. dist. and raised a mound
of earth 1½ ft. high 3½ ft.
base along side

8000 Set a sandstone 20x12x8 ins
15 ins in the ground for
Cor. to Secs. 2, 3, 34 and 35
marked with 2 notches on
C. and 4 on N. edges dug
pits - 18x18x12 ins in each
Sec. 5½ ft. dist. and raised
a mound of earth 2 ft. high
4½ ft. base along side
Surface Rolling
Soil 2nd rate

Good grazing ✓

N. 89° 09' W. on true line bet. Secs 35 34
Va. 14° 30' C.

N. B. T. 8 N. R. 23 E. G. S. Q. M.

Chains

40.00

Set a sandstone 12x10x8 ins 8 ins
in the ground for. $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face
dug pits 18x18x12 ins. E. and
N. of stone $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft. base along side

50.00

Enter Flat bears N. and S
and descend gradually

80.00

Set a sandstone 20x12x8 ins
16 ins in the ground for.
Cor. to Secs. 3, 4, 33 and 34
marked with 3 notches on
E. and N. edges dug pits
18x18x12 ins in each Sec.
 $5\frac{1}{2}$ ft. dist. and raised a
mound of earth 2 ft high
 $4\frac{1}{2}$ ft. base along side

N. B. T. 18 N. R 23 Co. G. S. R. M.

- | | |
|--------|--|
| Chains | Surface rolling
Soil 2nd rate
Good grazing |
| | N. 59° 59' W. on true line bet Secs. 4 & 33
Ta. 14° 30' E. |
| | Ascend. |
| 26.00 | Top of spur bears N. and S. 30 ft. high
and descend |
| 36.75 | Cross Carrizo wash 5.25 Chains
wide to S. Co. |
| 42.25 | Set a sandstone 14 x 12 x 6 ins
9 ins in the ground for
¼ Sec. N. Co. marked ¼
N. Co. on N. face dug pits
18 x 18 x 12 ins E. and W. of stone
5½ ft. dist and raised a
mound of earth 1½ ft.
high 3½ ft. base alongside |

N. B. T. & N. R. 23 Co. of S. R. M

Chains

80.00

Set a sandstone 24x20x10
ins 18 ins in the ground
for Cor. to Secs. 4, 5, 32 and
33 marked with 4 notches
on Co. and 2 on N. edges
dug pits 18x18x12 ins in
each sec 5 1/2 dist and raised
amount of earth 2 ft. high
7 1/2 ft. base along side
surface rolling
Soil and water
Good grazing

N. 89° 59' Mon. true line bet. Secs. 5 & 32
Va 14° 30' Co.

20.00

Leave flat brs. N and S.

40.00

Set a sandstone 9x8x8 ins
6 ins in the ground for
1/4 Sec. Cor. marked 1/4 on

N. B. T. 18 N. R. 23 E. G. S. R. M.

Chains N. face dug pits - 18x18x12 ins
 E. end N. Top of stone 5½ ft.
 dist. and raised a mound
 of earth 1½ ft. high 3½
 ft. base along side
 and ascend

4700 Top of hill to N. and S. 60 ft. high
 and descend

7780 Overland stage road to N. E. end
 8000 Set a sandstone 20x12x8 ins
 15 ins in the ground for
 Cor. to Secs 5, 6, 31, and 32
 marked with 5 notches on
 E. and 1 on N. edge; dug
 pits 18x18x12 ins in each
 Sec. 5½ ft. dist. and raised
 a mound of earth 2 ft.
 high 4½ ft. base along side
 Surface Rolling
 Soil 2nd rate -
 good grasping

N. W. T. 8 N. R. 23 E. G. S. R. M.

Chains N 89° 59' W on true line bet. Sec. 64 & 71
Twp. 14° 30' E

40.00 Set a sandstone 14 x 12 x 8
ins. pins in the ground for
1/4 Sec. Cor. marked 1/4 on
N. face dug pits 18 x 18 x 12
ins. and N. of stone 5 1/2
ft. dist. and raised a
mound of earth 1 1/2 ft. high
3 1/2 ft. base along side

72.75 Enter wash Co. S.

75.25 Leave wash Co. S.

79.00 ~~Returned at Cor. from~~
~~which I started~~
Cor. to Twp. 18 and 19 St. Co
22 and 23 E. Oct. 2nd. 1852

I carefully examined the
aday not inches of my solar com-
pass to-day particularly
the latitude and reversing apparatus
and found that correct.

C. B. T. 19 N. R 22 E. g. S. R. M.

Chains From the Cor. to Tps. 18 and
19 N. R. 22 and 23 E.
which was recently set
by my self. I run north
Pt. Secs. 31 and 36

Va 13° 58' E.

Over rolling surface

26.00

Top of rocky spur toward
E and W. 60 ft. high
and descend.

40.00

Set a sand stone 17x10x4 ins
12 ins. in the ground for
 $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
N. face dug pits 18x18x12 ins
N. and S. of stone $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side, and ascend

64.00

Top of round hill 90 ft. high
and descend

C. P. A. 19 N. R. 22 E. 9. S. 9 M

Chains

80.00

Set a sandstone 30x10x10
in 2 lines in the ground
for Cor. to Secs. 25, 30, 31
and 36 marked with 1
notch on S. and 5 on N.
edges. dug pits 18x18x12
ins in each Sec 5 1/2 ft.
diam. and raised a mound
of earth 2 ft. high 4 1/2 ft.
base along side
Surface rolling and bulley
Soil 3rd rate
Grapping good

North bet Secs. 25 and 30

Near 13° 58' E

13.00

Over rolling surface
Cross Dry wash 100 to chain
wide Co. S. E.

C. B. T. 19 M. R. 22. C. J. S. R. M.

Chains

33.20

Cross dry wash 100 chain
with course S.W.

40.00

Set a lava rock $10 \times 11 \times 7$
ins in the ground
for $\frac{1}{4}$ Sec. cor marked
 $\frac{1}{4}$ on N. face dug pits $18 \times$
 18×12 ins N. and S. of stone
 $5\frac{1}{2}$ ft. dist. and raised a
mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side.

80.00

Set a sandstone $36 \times 24 \times$
8 ins. 27 ins in the ground
for Cor. to Secs. 19, 24, 25
and 30 marked with 2
notches on S. and 4 on North
edges. dug pits $18 \times 18 \times 12$ ins
in each sec. $5\frac{1}{2}$ ft. dist.
and raised a mound of earth
2 ft. high $4\frac{1}{2}$ ft. base along side

C. O. S. 19 N. R 22 E. G. S. R M

Chains Surface Rolling
 Good 3rd. rate
 Good grazing

North bet. Secs, 19 and 24
 Va 13° 58' E.

Over rolling surface

10.00 Enter Broken Surface Co. N. W. S. E.

40.00 Set a sandstone 94 x 10 x 4 ins
 9 ins in the ground for
 $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
 N. face dug pits 18 x 18 x
 12 ins N. and S. of stone
 5 $\frac{1}{2}$ ft; dist. and raised a
 mound of earth $\frac{1}{2}$ ft high
 3 $\frac{1}{2}$ ft base along side

80.00 Set a sandstone 36 x 24
 x 4 ins. 27 ins in the ground
 for Cor. to Secs. 18 x 18, 19 and
 24 marked with 3 notches

C. D. T. 19 N. R 22 E. G. S. R M

Chains on N. and S. edges 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 along side
 Surface rolling
 Soil 3rd rate
 Grazing good.

North bet Secs. 13 and 18
 Va. 13° 58' E.

Over broken surface

4000 Set sandstone 20 x 13 x 10
 15 ins. in the ground for 1/4
 Sec. Cor. marked 1/4 on
 N. face dug pits - 18 x 18
 x 12 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 along side

O. B. T. 19 N. R. 22. E. 9. S. R. M.

Chains

54.00

Leave rough surface then
over rolling surface

80.00

Set a sand stone 20x10x3
ins. 15 ins in the ground for
Cor. to Secs. 7, 13, and 18
marked with 4 notches on
S and 2 on N. edges. dug
pits 18x18x12 ins in each
Sec. 5 1/2 ft. dist. and
raised a mound of earth
2 ft. high 7 1/2 ft. base along side
Surface rough and rolling
Soil 3rd rate
Good grasping

North bet. Secs. 7 and 12

Va. 1358' E

Ascend over rolling surface

15.00

Top of high table land

- C. B. T. 19 M. R 22 C. J. R M

Chains 40,00	<p>80 ft. high Set a lava stone 7x11x9 ins 12 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face dug pits 18x18x12 ins N. and S. of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $4\frac{1}{2}$ ft. base along side</p>
80,00 +	<p>Set a sandstone 20x10x3 ins, 16 ins in the ground for Cor. to Secs. 1, 6, 7 and 12 marked with 5 notches on S. and 1 on ^N N. edges dug pits - 18x18x12 ins in each Sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base along side</p>

C. C. T. 19 N. R 22 E G. S. R M.

Chairs

Surface rolling
Soil 3rd rate -
Good grazing

North bet. Secs. 1 and 4

Va. 13° 58' E.

Over table land

40.00

Set a sandstone 15 x 12 x 7 ins
10 ins in the ground for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on
N. face dug pits 18 x 18 x 12
ins N. and S. of stone,
 $5\frac{1}{2}$ ft. dist. - Sand raised
a mound of earth $\frac{1}{2}$ ft.

80.00

high $3\frac{1}{2}$ ft. base along side
Set a lava stone 15 x 10 x 10
ins 10 ins in the ground
for Cor. to Twp. 19 and
20 N. R. 22 and 23 E.
marked with 6 notched

C. B. N. 19 M. R. 22 C. J. S. R. M.

Chains on each edge dug fur's 24x15x12
 ins lengths on each
 line N. S. E. and W. of stone
 6 ft. dist. and raised a
 mound of earth 2½ ft.
 high 5 ft. base along side
 Surf all Rolling
 Soil 3rd rate.
 Good grazing

2

Oct. 3rd 1882

N. B. T. 19 N. R. 23 E. J. S. R. M.

Chains From the Cor. to Tps. 19 and 20 N. R. 22 and 23 East which Cor. was recently set by my self. I ran a random line \odot with a variation of $14^{\circ} 2' E$. setting ^{marking} $\frac{1}{4}$ sec. and sec. Cors. at every 40 and 80 chs. and at 478.675 Chains intersect Range line 186 Chains N. of Cor. to Tps. 19 and 20 N. R. 23 and 24 E. which was recently set by my self. Thence I run $N. 89^{\circ} 47' W$ on a true line bet. Sec. 1 and 24 N. 1355' E.

Over rolling surface.

40.00

Set a sandstone $14 \times 10 \times 4$ ins. 9 ins in the ground for $\frac{1}{4}$ Sec. \odot or marked $\frac{1}{4}$ on N. face dug pits

N. O. S. 19 N, R 23 E. G. S. R. M.

Chains 18x18x12 ins E. and N. of
stone 5½ ft. dist and
raised a mound of earth
1½ ft. high 3½ ft. base
along side.

5000 Cross wash 4 chains wide
E. S. E.

8000 Set a sandstone 18x12x5
ins 12 ins in the ground
for Cor. to Secs. 1, 2, 35 and
36 marked with notch on
E. and 5 on N. edges dug
pits 18x18x12 ins in each
Sec. 5½ ft. dist and raised
a mound of earth 2 ft. high
4½ ft. base along side
Surface rolling and rough
Soil 3rd rate
No timber

N. Q. T. 19 N. Q. 23 E. G. S. R. M.

- Chains North $89^{\circ}47'$ True line
between Sections 2 and 35
T4, R35E
- 10.00 ~~10.00~~ Broken surface
- 40.00 Set a sandstone $14 \times 10 \times 4$ ins
9 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 $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side.
- 80.00 Set a sandstone $12 \times 10 \times 6$ ins
8 ins in the ground for
Cor. to Secs. 2, 3, 34 and 35
marked with 2 notches
on E. and 4 on N. edges;
dug pits $18 \times 18 \times 12$ ins in each
Sec. $5\frac{1}{2}$ ft. dist. and raised
a mound 2 ft. high $4\frac{1}{2}$ ft.

N. B. T19 N. Q23 Co. J. S. F. M.

Chains base along side
Surface broken
Soil 3rd rate
No timber

N. 89° 47' W on true line bet. Sec 33 & 34
Va. 135° 5' E.

40.00

Set a sandstone 10x12x4 ins
11 ins in the ground for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on
N. face dug pits 18x18x
12 ins in each Sec. 5 $\frac{1}{2}$
ft. dist. and raised a
mound of earth 12 ft high
3 $\frac{1}{2}$ ft. base along side

80.00

Set a sandstone 10x12x4 ins
11 ins in the ground for
Cor. to Sec 33, 33 and 34
marked with 3 notches
on E. and N. edges.

N. B. S. 19 N. Q. 23 Co. J. S. R. M.

Chains 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 along side
 Surface Broken
 Soil 3rd rate
 No timber

N. 89° 47' W. on true line bet. Sec 45 33
 N. 12° 55' E.

30.00
 40.00

Acad mesa
 Set a sand stone 24x10x3
 ins. 18 ins in the ground for
 1/4 Sec cor. marked 1/4 on
 N. face dug pits 18x18x12
 ins @ and N. of stone 5 1/2
 ft. dist. and raised a mound
 of earth 1 1/2 ft. high 3 1/2
 ft. base along side

N. B. T. 19 N. Q 230 G. S. R. M.

Chains
50.00

Set a sandstone 12 x 10 x 5
ins. 8 ins in the ground
for Cor. to Secs. 4, 5, 32 and
33 marked with 4 notches
on E. and 2 on W. edges
dug pits 18 x 18 x 12 ins in each
Sec. 5 ½ ft. dist. and
raised a mound of earth 2
ft. high 4 ½ ft. base alongside
Surface Rolling
Soil Lud. red
Good grazing

N. 89° 47' W. on true line bet Secs 5 & 32
Va 1355 E

40.00

Set a sandstone 16 x 12 x 5 ins
11 ins in the ground for
¼ Sec. Cor. marked ¼ on
N. face dug pits 18 x 18 x 12 ins

N. 89° 51' W. R. 230 G. S. P. M.

Chains
8400
E. and W. of stone $5\frac{1}{2}$ ft. dist and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side
Set a Lava Stone $18 \times 10 \times 4$ ins. 12 ins in the ground for Cor. to Secs 6, 7, 31, and 32 marked with 5 notches on E. and 1 on ^{N. side} W. edges dug pits $18 \times 18 \times 12$ ins in each Sec. $5\frac{1}{2}$ ft. dist and raised a mound of earth 2 ft. high $7\frac{1}{2}$ ft. base along side
Surface Rolling
Soil 3rd rat-
Good grazing

40
4000
N. 89° 47' More true line bet Secs 6 & 31
Va 13° 55' E
Set a Sandstone $20 \times 12 \times 10$ ins
10 ins in the ground

N. B. T. 19 N. R. 23 E. G. S. Q. M.

Chains

for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
 on N. face dug pits 18x18
 x 12 ins. E. and W. of slow
 $5\frac{1}{2}$ ft. dist. and raised a
 mound of earth $\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side
 7860 Cor. to Sp. 19 and
 20 N. R. 22 and 23 E.
 from which I started

I carefully examined the
 adj. instruments of my Solar
 Compass to-day particularly
 the latitude and reversing
 apparatus and found them
 correct.

Oct. 3rd. 1882

L.B. S. N. P. 22 C. J. S. P. M.

Chains From the Cor. to Tps. 17 and 18
 N. P. 22 and 23 C. which was
 recently set by myself I run
 West on a random line with
 a Na. of $14^{\circ}45'$ C. setting temporary
 1/4 and Sec. Cors. at every 40
 and 80 Chains. And at 484 73 Chains
 I altered Range line $1/2$ 26 links
 North of Cor. ^{to Tps. 17 & 18 N. P. 22 and 23 C.} which is
 a post 4 ins. sq. set ^{firmly} in a
 mound of earth marked T.
 18 N. P. 22 C. S. 6 on S. E. T. 17
 N. S. 1 on S. W. & P. 21 C. S. 36
 on N. W. face and with 4
 notches on each edge and
 pit-lengthwise on line
 6 ft. dist. Then I run
 North $89^{\circ}51'$ C. on a true line
 Pit. Secs. 6 and 31
 Na. $14^{\circ}1'$ C.

S. B. S. 18 N. R. 22 E. G. S. R. M.

Chains Over rolling land

4473 Set a sandstone 20x10x18
ins 15 ins in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
on N. face dug pits - 18x18
 $\frac{1}{2}$ ins \odot and ∇ of stone
 $5\frac{1}{2}$ ft. dist. and raised a
mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side

8473 Set a sandstone 14x10x4 ins
9 ins in the ground for
Cor. to Secs. 31, 32 and 33
marked with \odot on \odot and ∇
on N. edges. dug pits
in each Sec. $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
2 ft. high $4\frac{1}{2}$ ft. base along side
Surface rolling
Soil 3rd. rat.
Good grazing

S.B. T. 8 N. R. 22 E.

J.S.P.M.

Chairs N. $89^{\circ}57'$ E on true line bet Seco. 5, 532.N. $13^{\circ}54'$ E.

3.00 Leave valley br. N. E and S. W.

4.00 Set a lava stone $14 \times 9 \times 9$ ins 9
ins. in the ground for
Sec. Cor. marked $\frac{1}{4}$ on
N. face dug pits $18 \times 18 \times 12$
ins. E and W. of stone $5\frac{1}{2}$
ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side

48.00 Top of spur br. N. and S 3 ft. high

80.00 Set a ^{lava stone} stone $17 \times 12 \times 4$ ins
12 ins. in the ground for
Cor. to Seco. 4, 532, 33. marked
with 4 notches on E. and
2 on W. edges dug pits $18 \times 18 \times$
 12 ins. in each Seco $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth 2 ft. high $4\frac{1}{2}$ base

S. 18 N. R. 22 E. J. S. R. M.

Chains

along side
Surface rolling
Set 2nd. rods!
Good graying

N. 89° 57' E. on true line bet. Secs. 4 & 33
Na 13° 54' E

Over rolling surface

4000

Set a sandstone 24 x 18 x 4
ins. 18 ins in the ground for
1/4 sec. Cor. marked 1/2 on
N. face dug pits 18 x 18 x 12
ins. E. and W. of stone 5 1/2
ft. dist. and raised a mound
of earth 1/2 ft. high 3 1/2 ft
base along side.

80.00

Set a sandstone 18 x 12 x 12 ins
12 ins in the ground for
Cor. to Secs. 3, 4, 33, and 34
marked with 3 notches

S. B. T. 18 N. R. 22 E. G. S. R. M.

Chairs E. and W. edges dug pits
 18x18x12 ins in each Secs 5½
 ft. dist- and raised a
 mound of earth 2ft. high
 4½ ft. base along side.

Surface rolling
 Soil 3rd. rate
 Good grazing

N. 89°51' E. on trueline bet. Secs. 3, 4
 Va. 13°54' E.

Over rolling surface

4000

Set a can stone 12x12x6 ins
 8 ins. in the ground for ¼
 Sec Cor. marked ¼ on N.
 face dug pits-18x18x12 ins
 E. and W. of stone 5½ ft.
 dist- and raised a mound
 of earth 1½ ft. high 3½ ft. base
 along side.

S. Q. T. 8 N. R. 22 E. G. S. R. M

Chains

80.00

Set a sandstone 24x18x4 ins
 18 ins in the ground for Co. 15
 Secs. 2, 3, 34, 35 marked with 2 inches
 on E. and 4 on N. 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 along side
 Surface rolling
 Soil 3rd. rate
 Good grazing

N. 89° 57' W. on true line bet. Secs. 2nd & 3rd
 Va 13° 54' E.

Over rolling surface

40.00

Set a sandstone 18x18x10 ins
 12 ins in the ground for
 1/4 Sec. Co. marked 1/4
 on N. face dug pits 18x18x12 ins

S. B. T. 18 N. R. 22 E. G. S. R. M.

Chains
80.00

E. and W. of stone $5\frac{1}{2}$ ft. dist;
and raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side
Set a ~~lava~~ stone $12 \times 10 \times 6$ ins
5 ins in the ground for C or
to Secs. 1, 2, 35 and 36 marked
with 1 notch on C. and 6
on W. edges; dug pits $18 \times 18 \times$
 12 ins. in each Set $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth 2 ft. high $4\frac{1}{2}$ ft. base
along side.

Surface rolling
Soil 3rd rate
Good grazing

N. $89^{\circ}51'$ E. on true line bet Secs. 1 & 36,
N. $13^{\circ}54'$ E.

40.00

Over rolling surface
Set a lava stone $16 \times 12 \times 4$ ins

S.W. T. 8 N. Q 22 E. G.S. P.M.

lains 11 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 along side
 ascending

5.00 Top of spur brs. N. Q. 30
 ft. high and descend
 01.90 Cross Road brs. N. and S.
 00.00 Cor. to Tps. 17 and 18 st.
 W. Qs. 22 and 23 E.
 from which I started

I carefully examined the adjustments of
 Solar compass to-day particularly
 the latitude and reversing apparatus
 and found them correct
 Oct. 4 1882

C. Q. T. 18 N. R. 21 E. J. S. P. M.

Chains From the Cor 10th Tps, 17 and
18 N. Rs. 21 and 22 E. which is
a post 4 ins sq. set firmly in
a mound of earth marked
with ~~marked~~ on each edge and
Tps. 18 N. - S. 31. on N.E. R. 22 E. S. 1 on
S.E. Tps. 17 N. S. 1 on S.W. R. 21 E.
S. 36 on N.W. face with
posts lengthwise on each line
6 ft. dist. & run N.
bet S. 31 and 36
Var. 14° 01' E.

Over Rio Puerco valley

1500

Enter Rio Puerco wash Co. S. W.

4000

Set post 3 ft. long 6 ins sq. with
marked stone 12 ins in ^{the} ground
for 4 Sec. Cor. marked 4 S. on
N. face ^{dig into pt.} and raised a
mound of stone around post.

4500

Leave Rio Puerco wash Co. S. W.

C. B. T & M. P. 21. C. J. S. R. M.

Chains

8000

Set a sandstone 10 x 8 x 8 ins
 7 ins in the ground for Cor.
 to Secs, 25, 30, 31, and 36
 marked with 1 nail on
 S. and 5 on N. edges 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 along side
 Surface nothing
 Soil 2nd rate
 Good grazing

North: bet. Secs. 25 and 30
 Va. 14.01' E

Over valley

33.05- Cross A. P. R. R. by S. 61 1/2' W.
 32.56 ~~Ch.~~ Telegraph line with same bearing
 34.00 Cross Wagon Road same bearing

C. B. T. S. M. R. 21 C. J. S. R. M.

Chains

40.00

Set a post 3 ft. long 4 ins sq. for 14 Sec. Cor. marked 1/4 S. on N. face dug pits 18x18x12 ins N. and S. of post, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

60.00

Leave valley bs. N. C. and S. W. and ascend

*77.60

Cross Wagon road bs. N. C. and S. W.

80.00

Set a sandstone 18x16x5 ins 12 ins in the ground for Cor. to Secs. 19, 24, 25 and 30 marked with 2 notches on S. and 4 on N. 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

S. B. T. 18 N. R. 21 E. J. S. P. M.

Chains

Surface Rolling
Set 3rd rail
Good grazing.

North bet. Secs 19 and 24
Va. 14th of Co.

Over rolling surface
gradually as ending

40.00

Set a sandstone 20x10x8
ins, 15 ins in the ground for
1/4 Sec. Cor. marked 14 on
N. face dug pits 18x18x12
ins N. and S. of stone
5 1/2 ft. dist. and raised
amount of earth 1 1/2 ft.
high 3 1/2 ft. base alongside.

50.00

Set a sandstone 18x10x10 ins
12 ins in the ground for
Cor. to Secs. 13, 18, 19 and
24 marked with 3 notches

C. B. T. & M. R. 27 Co. G. S. & M

Chains N. and S. edges dug pits
 18x18x12 ins in each Sec $5\frac{1}{2}$ ft
 dist. and raised a mound
 of earth 2 ft. high $4\frac{1}{2}$ ft.
 base along side.
 Surface rolling
 Soil 3rd red.
 Good q. razing

North bet. Secs. 13 and 18
 Va. $14^{\circ} 01' E$

4900 Set a sandstone 10x10x10
 ins 11 ins in the ground
 for 14 Sec. Cor. marked 1/4
 on N. face dug pits 18x
 18x12 ins N. and S. of
 stone $5\frac{1}{2}$ ft. dist. and
 raised a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side

E. Q. T. M. R. 2, G. J. S. P. M.

Chains

63.00

0.00

Cross sag Co. S. ^{W. and} as end
 Set sandstone 20x18x8 ins
 15 ins in the ground for
 Cor. to Secs. 7, 12, 13 and 18
 marked with 4 notches on
 S. and 2 on N. edges dug
 pit - 18x18x12 ins in each
 Sec. 5 $\frac{1}{2}$ ft. dist. and raised
 a mound of earth 2 ft. high
 4 $\frac{1}{2}$ ft. base along side
 surface rolling
 Soil 3rd rabbit
 Good grazing

North bet. Secs. 7 and 12
 Va. 14° 01' E

40.00

Over rolling surface
 Set a sandstone 20x10x5
 ins 15 ins in the ground

C. B. T. M. R 27 C. J. S. R M

Chains for 14 Sec. Cor. marked 14
 on N. face dug pits 18x18
 x12 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 along side
 80.00 Set a sandstone 18x16x15 ins
 12 ins in the ground for
 Cor. to Secs. 1, 6, 7 and 12
 marked with 5 notches on
 S. and ^{N. side} N. edges and
 raised a mound of
 stone along side ^{Pit} ^{improvement}
 surface rolling
 Soil 3rd rate
 Good grazing

North pt. 1 and C

No. 14 01 C

40.00 Set a sandstone 15x16x8 ins

G. O. S. 18 N. R 21. Co. J. S. P. M.

Chains

10 ins in the ground for 4 Sec
Cor. marked 14 on N. face
dug pits 15x15x12 ins in
each sec. 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft high
3 1/2 ft. base along side

\$000

Set a sandstone 12x12x10
ins 8 ins in the ground for
Cor. to Tps. 18 and 19 N. Co.
21 and 22 Co. marked with
C notches on each edge dug
pits 24x18x12 ins lengthwise
on each line N. S. Co. and N.
of stone 6 ft. dist. and raised
a mound of earth 2 1/2 ft.
high 5 ft. base along side
Surface rolling prairie
Soil 3rd rate

Good grazing

Oct. 4th / 88

N. B. T. 18 N. R. 22 E. G. S. P. M.

Chains From the Cor. to townships
 18 and 19 N. R. 22 and 23 E.
 which was recently set by
 myself I ran a random
 line N. with a Va. of $13^{\circ} 58' E$. setting temporary 1/4
 and Sec Cor. at every 40
 and 80 Chains and at 484.20
 Chains I entered Range line
 90 links south of Cor. ^{to Sps 18 & 19 N. R. 22 & 23 E.} which
 is sandstone 2x10 ins set
 firmly in the ground properly
 marked and north into N. S.
 E. and N. of stone 4 ft. dist.
 Thence I run S. $89^{\circ} 54' E$ on
 a true line bet. Secs. 6 and 31
 Va. $14^{\circ} 2' E$.

Over rolling Country
 44.20 Set a sandstone 20x12x8
 ins. in the ground

N. 22 E. 18 N. R 22 & G. L. R. M

Chains for 1/4 Sec. 0 or marked
1/4 on N. face dug pits -
18 x 18 x 12 ins in 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 along side
ascending

4700
7400
Top of spur. to N. and S. 50 ft. ^{high}
Set a sandstone 20 x 17 x 10 ins
15 ins in the ground for
Cor to Sec. 5, 6, 31 and 32
marked with 1 notch on
N. side 5 ^{1/2} ^{ins} on E. edge
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 along side
Surface rolling
Soil 3rd rate
good grapeing

M. B. S. T. S. M. R. 22 Co. J. S. R. M.

Chains S. $89^{\circ}54'$ Co on a true line between
Secs. 5 and 32.

N. $14^{\circ}02'$ Co.

Over rolling surface

40.00

Set a sandstone $14 \times 12 \times 8$
ins 9 ins in the ground
for 14 Sec Co, marked
1/4 on N. face dug pits
Co. and N. of stone $5\frac{1}{2}$ ft
dist; and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base along side

80.00

Set a sandstone $28 \times 13 \times 8$
ins 15 ins in the ground for
Co to Secs. 5, 4, 33, 32, marked
with 2 notches on N. and 4
on Co. edges dug pits 18×18
 $\times 12$ ins in each Sec.
 $5\frac{1}{2}$ ft. dist; and raised
a mound of earth 2 ft.

2nd 1/2

N. @. S. 18 N. R 22 E. G. S. R. M.

hains high 4½ ft. base elongate.
 Surface rolling
 Soil sandy
 Good grazing

S. 89° 54' E on a true line
 bet. Secs. 4 and 33

Var. 14° 02' E.

0.00
 Over rolling surface
 Set a sandstone 17x12x8
 ins 12 ins in the ground for
 44 Sec. Cor. marked 14 on
 N. face dug pits 18x16
 x12 ins in sand. N. of
 stone 5½ ft. dist. and
 raised a mound of
 earth 1½ ft. high 3½ ft.
 base along side

0.00
 Set a sandstone 20x12
 x4 ins 15 ins in the

N. O. T. 18 N. P 22 E. J. S. P M

Chains

ground for Cor. to Secs.
 3, 4, 33, 34 marked with 3
 notches on E. and W. 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 along side
 Surface rolling
 Soil sandy
 Grazing good

S. 89° 54' E. on a true line
 bet. Secs 3 and 34
 N. 14° 02' E.

Over rolling surface

40.00

Set a 0 and stone 14x12x10
 ins 9 ins in the ground
 for 14 Sec. Cor. marked
 1/4 on N. face dug pits 18x
 18x12 ins E. and W. of stone

N. Q. T. 18 N. P 22 Q. J. S. R. M.

Chains 5½ ft. dist and raised a mound of earth 1½ ft high 3½ ft. base along side

\$0.00 Set a sandstone 24x12x6 ins 18 ins in the ground for Co. to Secs. 2, 3, 34, 35 marked with 4 notches on Mand 2 on

Q. edges dug pits 18x18x12 ins in each Sec. 5½ ft dist and raised a mound of earth 2 ft high 4½ ft. base along side.

Surface rolling
Soil 3rd rate
Good grazing

S 89° 54' Q. on a true line bet. Secs. 2 and 35
N. 14° 02' Q.

4.75 Cross sq 2.00 Chains w. Co. S.W.

N. W. 5th N. R 22 E. G. S. R. M.

Chains

40.00

Set a sandstone 10x10x8 ins
10 ins in the ground for
1/4 Sec. Co., marked $\frac{1}{4}$ on
N. face dug pit 18x18x12
ins $\frac{1}{2}$ mi. N. of stone 5 $\frac{1}{2}$ ft. dist.
and raised a mound of earth
1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft. base
along side, ascending

46.00

Top of spur $\frac{1}{2}$ mi. N. C. and S. W.

80.00

Set ^{and also} a sandstone 14x10x8 ins
9 ins in the ground for
Co. to Secs. 1, 2, 35 and 36
marked with $\frac{1}{4}$ notches on
N. and 1 on ^{North} E. edges
dug pits 18x18x12 ins in each
Sec. 5 $\frac{1}{2}$ ft. dist. and
raised a mound of earth
2 ft. high 4 $\frac{1}{2}$ ft. base
along side

N. B. T. 18 N. R 22 E. J. S. Q M

Chains

Surface Rolling
Soil Good rate
Good grazing

S. 89° 54' E on a true line
bet Secs. 1 and 34.

N. 14° 52' E

000

Set a sandstone 20x10x4 ins
15 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 1/2 ft high 3 1/2 ft
base, alongside

000

Cor. to Tps. 18 and 19 N. R. 22 and 23 E. from which
I started

I carefully examined the adjacent parts of my solar Cook-
press to-day particularly the latitude and of course my
observations are found ~~very~~ correct.
Oct. 5th 1882

C. R. T. 19 R. 21 E. G. S. R. M.

From the Cor. of Tps. 18 and 19 North-Ro.
21-22 E which was recently set by myself
& run north.

Chains North bet. Secs. 31 and 30
No. $14^{\circ} 2' E$.

Over rolling country

4000

Set a sandstone $14 \times 12 \times 8$ ins
9 ins in the ground for
14 Sec. Cor. marked 14 on N.
face dug pits $18 \times 18 \times 12$ ins N. and
S. of stone $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
along side

8000

Set a sandstone $14 \times 12 \times 8$ ins
9 ins in the ground for Cor.
to Secs. 25, 30, 31 and 30 marked
with notch on S. and 5 on ^{N. side} N.
edges dug pits $18 \times 18 \times 12$ ins in
each. Sec. $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
2 ft high $4\frac{1}{2}$ ft. base
along side

3. O. T. 19 M. & 21 Q. 9. & P. M.

Chains

Surface Rolling
Soil sandy
Grazing good

North bet Secs. 25 and 30
N₄₀ 2' E

ascending Over rolling country

580 Spur. to N. E. and S. W. 40 ft. high
and about

4000 Set a sandstone 14 x 12 x 6
ins 9 ins in the ground
for 1/4 Sec. Cor. marked
1/4 on N. ^{bar} edge dug pits
18 x 18 x 12 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
along side

8000 Set a sandstone 20 x 12 x 6
ins 15 ins in the ground
for Cor to Secs. V. 24, 25, 20

C. B. T. 19 M. R 21 C. G. S. Q. M.

Chains marked with 2 notches
on S. and 4 on N. 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
along side
Surface rolling
Soil sandy
Good grazing

North ft. Sec. 19 and 24
Na. 14° 2' E

Over rolling country

20.00

Cross sag Co. N. 1/100 chain wire

40.00

Set a sandstone 13x12x8 ins
pins in the ground for
1/4 Sec. Co. marked 1/4 on
N. face dug pits 18x18x12
ins N. and S. 1/2

§. B. T. 19 M. P. 21 Q. G. S. R. M.

ains of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side ascend

45.00 Cross spur bears, N. Q. and S. W. 40ft high

5.00 Set a sandstone 20x10x8 ins 15 ins in the ground for

Corto Seca 1 3/4 ft. E. 19.24 marked with 3 notches on N. and S edge 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 along side

Surface rolling
Soil sandy
Good grazing

G. B. J. 19 M. R 21 C. J. S. & M.

- Chains North-fet. Secs. 13 and 18
 Va. 14° 02' E
- 40.00 Over rolling surface
 Set a sandstone 12x12x10
 ins 8 ins in the ground for
 1/4 Sec. Cor. marked 7 on
 N. 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 to
 3 1/2 ft. base along side
- 80.00 Set a sandstone 14x10x8
 ins 9 ins in the ground for
 Cor. Secs. 7, 10, 13 and 18
 marked with 4 notches on
 S. and 2 on N. edge 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.

©. © T. 19 M. 921 ©. G. L. R. M.

Chain base along side
 Surface rolling
 Soil sandy
Good grasping

North-ht. Secs. 7 and 12

Na. $14^{\circ} 52' E.$

Over rolling surface ascend ^{ing}

20.00

Spur base ^{and this side} E. and W. 50 ft. high.

40.00

Set a sandstone $14 \times 12 \times 8$

9 ins in the ground for

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

on N. face dug pits $18 \times$

18×12 ins N. and S. of stone

$5\frac{1}{2}$ ft. dist. and raised

a mound of earth $1\frac{1}{2}$ ft.

high $3\frac{1}{2}$ ft. base

along side

50.00

Set a sandstone $12 \times 10 \times 6$

ins 8 ins in the ground

C. B. T. R. N. R. 21 C. J. S. R. M.

Chairs for Cor. to Secs. 1, 6, 7, 12
 marked with 5 notches on
 S. and 1^{on} N. edges dug
 pits 18x18x12 ins in each
 Sec. 5½ ft. dist. and
 raised a mound of earth
 2 ft. high 4½ ft. base
 along side
 Surface rolling
 Soil sandy
 Good grazing

North bet Secs. 1 and 6
 Va 14° 02' E

Over rolling surface
 Set a sandstone 12x10x8 ins
 pins in the ground for
 14 Sec Cor. marked 14
 on N face dug pits
 18x18x12 ins N and S.

C. B. T. 19 M. R. 21 C. J. S. R. M.

Chains of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $9\frac{1}{2}$ ft. base along side

6000
Set a sandstone $14 \times 10 \times 8$ ins in the ground for Cor. to 7th 19 and 20 N. Co. 21 and 22 C. marked with C notches on each edge dug pits $24 \times 18 \times 12$ ins lengthwise on each line N. S. E. and W. of stone 6 ft. dist. and raised a mound of earth $2\frac{1}{2}$ ft. high 5 ft. base along side
Surface rolling
Soil 3rd rate
Good grazing

October 6th 1882

M. B. T. 19 M. R. 226, G. S. R. M

Chains From the Cor. to Twp. 19 and
 20 N. R. 21 and 22 ^{14° 02' E.} ^{14° 05' E.} I ran a
 random line ^{14° 05' E.} setting temporary
 4 and Sec Cor. at ⁴⁰ and 86
 Chains and at 48364 Chains I
 intersect Range line 48 links
 North of Cor. which is a
 sandstone properly set and marked
 by myself recently. Thence
 I run N. 89° 57' 30" W. on a true
 line bet. Secs. 1 and 36
 N. 14° 02' E

Over rolling surface
 4000 Set a sandstone 16 x 11 x 9 ins
 11 ins in the ground for 1/4
 Sec Cor. marked 1/4 on N. face
 dug pits 18 x 18 x 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 along side

BOOK 1399

N. B. 5. 19 M. R. 226. G. S. P. M.

Chains

47.00

80.00

Tops of spur to N. and S. 30 ft. hi.
 and also in
 Set a sandstone $2 \times 17 \times 5$ ins
 15 ins in the ground for
 Cor. to Secs. 1, 2, 35, and 36
 marked with 1 notch on E.
 and 5 on N. edges dug pits
 18×12 ins in each Sec.

$3 \frac{1}{2}$ ft. dist. and raised a
 mound of earth 2 ft. high
 $3 \frac{1}{2}$ ft. base along side

Surface Rolling
 Soil 3rd. rate
 Good grazing

N. $89^{\circ} 57' W.$ on a true
 line bet. Secs. 2 and 35
 Pa $13^{\circ} 58' E.$

Over rolling surface
 Set a lava stone $20 \times 10 \times 6$ ins

40.00

M. B. T. 19 M. B. 22 C. J. S. R. M.

Chairs 15 ins in the ground for $\frac{1}{4}$
 Sec. Cor. marked 44 on N.
 face dug pits 18x18x12 ins
 E and W of stone $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side

80.00 Set a sandstone 18x13x8 ins 12
 ins in the ground for Cor.
 to Seco. 2, 3, 34 and 35 marked
 with 2 notches on E. and 4 on
 W edges dug pits 18x18x12 ins.
 in each Sec. $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth 2 ft
 high $4\frac{1}{2}$ ft. base along side
 Surface rolling
 Soil 3rd rate
 Good grazing

M. B. T. 19 M. R 22 & J. S. R. M.

Chains M. 89°57' N. on a true line
 ft. - Secs. 3 and 34
 Va. 13°58' E.

40.00 Over rolling surface
 Set a sandstone 17x12x4 ins. 12
 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 along side

43.00 Cross sag Co M. and ascend
 80.00 Set a lava stone 15x10x6 ins
 10 ins in the ground for Cor
 to Secs. 3, 4, 33 and 34 marked
 with - 3 notches on E. and W. edges
 dug pits 18x18x12 ins in each
 Sec. 5 1/2 ft. dist. and raised
 a mound of earth 2 ft. high

M. B. T. 19 M. B. 22 C. J. S. R. M.

Chains 15 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 $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side

80,000 Set a sandstone $18 \times 13 \times 8$ ins 12
 ins in the ground for Cor.
 to Seco. 2, 3, 34 and 35 marked
 with 2 notches on C. and 4 on
 W edge dug pits $18 \times 18 \times 12$ ins.
 in each Sec $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth 2 ft.
 high $4\frac{1}{2}$ ft. base along side
 Surface rolling
 Soil 3rd rate
 Good grazing

M. B. S. 19 M. R 22 @ J. S. R. M.

Chains N. 89° 57' W. on a true line
ft. - Secs. 3 and 34

N. 13° 58' E.

Over rolling surface

40.00

Set a sandstone 17x12x4 ins. 2
inches 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 along sides

43.00

Cross sag Co N. and secured

80.00

Set a lava stone 15x10x6 ins
10 ins in the ground for Cor
to Secs. 3, 4, 33 and 34 marked
with - 3 notches on E. and W. edges
dug pits 18x18x12 ins in each
Sec. 5 1/2 ft. dist. and raised
a mound of earth 2 ft. high

M. B. T. 19 M. B. 22 C. J. S. R. M.

Chairs 15 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 $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side

80,000 Set a sandstone $18 \times 13 \times 8$ ins 12
 ins in the ground for Cor.
 to Seco. 2, 3, 34 and 35 marked
 with 2 notches on E. and 4 on
 W. dig dug pits $18 \times 18 \times 12$ ins.
 in each Sec $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth 2 ft.
 high $4\frac{1}{2}$ ft. base along side
 Surface rolling
 Soil 3rd rate
 Good grazing

M. B. S. 19 M. R 22 C J. S. R. M.

Chains M. 89°57' N. on a true line
ft. - Secs. 3 and 34

Pa. 13°58' C.

Over rolling surface

40.00

Set a sandstone 17x12x4 ins. 2
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 along sides

43.00

Cross sag Co M. and secured

80.00

Set a lava stone 15x10x6 ins
10 ins in the ground for Cor
to Secs. 3, 4, 33 and 34 marked
with - 3 notches on E. and W. edges
dug pits 18x18x12 ins in each
Sec. 5 1/2 ft. dist. and raised
a mound of earth 2 ft. high

1780

M. P. T. 19 N. R. 22 Q. G. S. & M

Chains $3\frac{1}{2}$ ft. base along side
Surface rolling
Soil 3rd rate
Good grazing

N. 89° 57' W. on a true line
ht. Secs. 4 and 33

Na. 135° 8' E.

Over rolling surface

40.00

Set a sandstone 17x10x4 ins
11 ins in the ground for $\frac{1}{4}$
Sec. Co. marked $\frac{1}{4}$ on N. face
dug pits 18x18x12 ins E and
W. of stone $5\frac{1}{2}$ ft. dist. and
raised a mound of earth $1\frac{1}{2}$
ft. high $3\frac{1}{2}$ ft. base along side
300 Chains N. of this point is
a light rocky hill 200 ft. high.
Set a sandstone 20x10x3 ins
15 ins in the ground for

55.00

80.00

N. B. 519 M. Q22 C. J. S. Q. W.

Chains Cor. to Sics 4, 5, 32, and 33
 marked with 4 notches on E.
 and 2 on N. edges dug pits 18
 $\times 18 \times 12$ ins in each Sic $5\frac{1}{2}$
 ft. dist. and raised a mound
 of earth 2 ft. high $4\frac{1}{2}$ ft.
 base along side
 Surface rolling
 Soil 3rd. rate
 Good grazing

N. $89^{\circ} 57' W$ on a true
 line bet. Sics, 5 and 32
 Va. $13^{\circ} 58' E$

Over rolling surface
 4000 Set a sand stone $18 \times 18 \times 15$ ins
 11 ins. in the ground for
 14 Sic Cot marked 14
 on N. face dug pits 18
 $\times 18 \times 12$ ins E. and N. of stone

M. B. 579 M. P. 22 Co. J. S. P. M.

Chains 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base along side
 5000 Set a sandstone 18x12x10 ins. 2 inches in the ground for Cor. to Secs. 5, 6, 31 and 32 marked with 5 notches on Co. and 1 on N. edges dug pits 18x18x12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside
 Surface rolling
 Soil 3rd rate
 Good grazing

N. 89° 57' M. on a true line
 St. Secs. 6 and 31

N. 13° 58' Co

4000

Set a sandstone 20x12x10

N. 22, 579 N. R. 22 E. G. S. R. M.

Chains run 15 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 along side
 83,64 Cor. to Tpo 19 and 22
 on R. 24 and 22 E.
 from which I started

October 6th 1882

I carefully examined the
 adjustments of my Solar
 Compass to-day particularly
 the latitude and reversing
 apparatus and found them
 correct

Oct. 6th 1882

M. Q. T. S. M. R. 21. C. J. S. R. M.

Chains From the Cor. to Tps. 18 and 19
 N. Co. 20 and 21 Con 5th Aux.
 Meridian recently set by myself
 I ran a random line $\text{N. } 14^{\circ} 5' \text{ E.}$
 with a variation of $14^{\circ} 5' \text{ E}$
 setting $\frac{1}{4}$ and Sec. Cors.
 at every 40 and 80 Chains
 and at 484.90 Chains I marked
 Range line 192 miles N. of Cor.
 which was recently set by
 myself. Thence I run $\text{N. } 89^{\circ}$
 $46' \text{ W.}$ on a true line bet. Secs. ¹⁴³⁶
 $\text{N. } 14^{\circ} 2' \text{ E.}$

Over rolling surface
 4900 Set a lava st. $20 \times 15 \times 5$ ins
 15 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 $5\frac{1}{2}$ ft. dist.
 and raised a mound of

M. B. T. 18 M. Q 21 C. J. S. Q M

Chains earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side.

8000 Set lava stone $21 \times 18 \times 4$ ins
 15 ins in the ground for
Cor. to Secs. 1, 2, 35 and 36
marked with 1 metal on
C. and 5 ^{N. M. W.} on N. edges dug pits
 $18 \times 18 \times 12$ ins in each Sec.
 $5\frac{1}{2}$ ft. dist. and raised a
mound of earth 2 ft high
 $4\frac{1}{2}$ ft. base along side
Surface rolling
Soil 3rd rat
Good grazing

$N 89^{\circ} 46' N$ on a true line
bet. Secs. 2 and 35
Va $14^{\circ} 5' C.$

Over rolling surface

4000 Set ^{3 or 4 in} $12 \times 10 \times 8$ ins 8 ins in the

N. B. T. 18 N. R. 21 E. G. S. R. M.

Chains

ground for $\frac{1}{4}$ Sec. Cor.
marked 14 on N. face
dug pits $18 \times 18 \times 12$ ins. Q and
R W. of stone $5\frac{1}{2}$ ft. dist
and raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side

80.00

Set a sandstone $18 \times 16 \times 12$ ins
12 ins in the ground for
Cor. to Secs. 2, 3, 34 and 35
marked with 2 notches on
Q and 4 on N. edges; dug
pits $18 \times 18 \times 12$ ins in each
Sec. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. base alongside

Surface rolling

Soil sandy

Good grazing

N. 3. 5. 18 M. 9. 21 E. J. S. P. M.

Chains N 89° 46' ~~W~~ on a true line
 bit. Secs. 3 and 34
 Va. 14° 5' E.

4 000 Over rolling surface
 Set a sandstone 10x10x8 ins
 7 ins in the ground for
 44 Sec Cor. marked 44 on
 N. face dug pits 18x18x12
 ins E. and W. of stone 5½
 ft. dist. and raised a
 mound of earth 1½ ft high
 3½ ft. base along side
 and ascend gradually

7800 Top of spur brs. N. E. and
 S. W. and descend

8000 Set a lava stone 16x12x9 ins
 11 ins in the ground for
 Cor. to Secs 34, 33 and 34
 marked with 3 notches on
 E. and W. edges,

N. 70. 518. N. R. 21. 0. J. S. P. M.

Chains dug pits - 18x18x12 ins in each
 Sec. 5 $\frac{1}{2}$ ft. dist. and raised
 a mound of earth 2 ft high &
 4 $\frac{1}{2}$ ft. base along side
 Surface rolling
 Soil 3rd rate -
 Good grazing

N. 89° 46' Now a true line
 bet. Secs. 4 and 33

Na. 14° 5' 0",

Over rolling surface

4000

Set a sandstone 20x10x4
 ins 15 ins in the ground
 for 14 Sec. Cor. marked
 14 on N. face dug pits -
 18x18x12 ins. 0. and N. of
 stone 5 $\frac{1}{2}$ ft. dist. and raised
 a mound of earth 1 $\frac{1}{2}$ ft.
 high 3 $\frac{1}{2}$ ft. base along side

M. B. J. 18 M. R. 21 Q. J. S. R. M.

Chairs

8000

Set a lava ^{stone} 10x10x4 ins 11 ins
 in the ground for Cor
 to Secs 4, 5, 32, and 33 marked
 with 4 notches on Q and 2
 on N. 1d900 dug pits 18x18x12
 ins in each Sec. 5 1/2 ft-
 dist. and raised a mound
 earth 2 ft. high 4 1/2 ft.
 base along side
 Surface rolling
 Set 3rd rate
 Good grazing

N. 89° 46' W. on a true line
 bet Secs 5 and 32

N. 14° 5' E

Open rolling surface

4000

Set a sandstone 17x10x4
 ins. 12 ins in the ground

N. B. T. 18 N. R. 21 E. g. S. Q. M

Chains

for 1/4 Sec. Cor. marked 11x
 on N. face dug pits 18x
 18x12 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 along side
 Enter valley from N. E. and
 S. W.

47.00

80.00

Set a sandstone 14x9x4 ins
 9 ins. in the ground for
 Cor. to Sect 5, Q 21 and 22
 marked with 5 notches on
 E and 1 on N. 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 along side
 Surface rolling
 Soil 2nd rate
 Good grazing

N. B. J. 18 N. R. 21 E. 9 & R. M.

Chains N. $89^{\circ} 46'$ W. on a true line
 bet. Secs 6 and 31
 N. $14^{\circ} 5'$ E

Over rolling surface
 40.00 Set a sand stone $20 \times 10 \times 4$
 ins. 15 ins. in the ground
 for ⁴/_{sec.} Cor. marked 4 on N.
 face dug pits $18 \times 18 \times 12$ ins
 E. and W. of stone $5 \frac{1}{2}$
 ft. dist. and raised a mound
 of earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft.
 base along side

54.90 Intersect Cor. to Sp. 18 and
 19 N. Sec. 20 and 21 E. from which
 I started
 Oct. 11 1882

M. B. T. 19 M. R. 21. E. g. S. P. M.

Chains From the C or to Twp. 19 and 20
 N. R. 20 and 21 E which is a
 sandstone ~~12~~ 18 ins with 6 notches
 on each edge and with pits 24 x 18
 x 12 ins long these on each line
 N. S. E. and N. of stone 6 ft. dist.
 and mound of earth 2 1/2 ft. high
 5 ft. base along side. I run
 a random line ^{E. Va. 14° 24' E.} setting temp.
 1/4 and S. C. Cor. at every
 40 and 80 Chains and at ~~the~~
 484.30 Chains intersect Range
 line 108 links N. of C or to of
^{19 + 20 R. 21 + 22 E}
 which is a sandstone 10 x 8 ins
 firmly set in the ground
 and properly marked. Thence
 I run N. 89° 52' W. on a
 true line bit. S. 1/2 1 and 3 1/2
 Va. 14° 5' E.
 Over setting surface

M.B. 5, 19 M. R. 21 C. J. S. R. M.

Chairs

40.00

Set a sandstone $14 \times 12 \times 8$ ins
8 ins in the ground for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on N
face, dug pit - $18 \times 18 \times 12$ ins
E. and W. of stone $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth - $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side

80.00

Set a sandstone $20 \times 10 \times 8$ ins
15 ins in the ground for
Cor. to Secs. 1, 2, 30 and 36
marked with 1 notch on E
and 5 on N. edges dug pits
 $18 \times 18 \times 12$ ins in each Sec.
 $5\frac{1}{2}$ ft. dist. and raised a
mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. base along side

Surface level and rolling
Soil 3rd rate

N. Q. T. 19 M. R. 2, C. g. S. R. M.

Chains Good grazing

N. $89^{\circ}52'$ W. on a true line
bet. Secs. 2 and 35

Na. $14^{\circ}2'$ E.

Over level land

40.00

Set a sandstone $14 \times 12 \times 8$ ins
9 ins in the ground for
14 Sec. Cor. marked 14 on
N. face dug pits - $18 \times 18 \times 12$
ins E. and W. of stone
 $5\frac{1}{2}$ ft. dist. and raised a
mound of earth $\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side

47.00

6 pole wash 600 lbs wide 60 ft

80.00

Set a sandstone $13 \times 12 \times 8$ ins. 9 ins.
in the ground for Cor to Sec
2 & 3. 34 and 35 marked with
2 notches on E. and 4 on N. edge.
dug pits $18 \times 18 \times 12$ ins in each

N. B. 5, 19 N. R. 21 E. G. S. R. M.

Chairs Sec. 5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft high
4 $\frac{1}{2}$ ft. base along side
Surface rolling
Soil 3rd. rate
Good grazing

N. 89° 52' W on a true line
bet. Secs. 3 and 34
marked with 3 Pa 14° 2' E.

Over level surface

40.00

Set a sandstone 14x11x7 ins
9 ins in the ground for 44
Sec Cor. * marked 44 on N
face dug pits 18x18x12
ins E. and W. of stone 5 $\frac{1}{2}$
ft. dist. and raised a
mound of earth 1 $\frac{1}{2}$ ft high
3 $\frac{1}{2}$ ft. base along side

N. O. T. 19 N. O. 21 C. 9. S. P. M.

Chains

\$0.00

Set a sandstone 12 x 12 x 8
ins 8 ins in the ground for
Cor. to Secs. 34, 33 and
34 marked with 3 notches
on E. and W. edges 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 along side
surface level

Soil 3rd rate sandy
Good grazing

N. 89° 52' W. on a true line
bet. Secs. 4 and 33

Pa. 14° 2' C

Over level surface

4 0.00

Set a sandstone 11 x 9 x 8 ins
8 ins in the ground for

N. B. 519 M. R. 20 E. J. S. R. M.

Chains

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 along side

80.00

Set a sandstone 20x12x8
ins. 15 ins. in the ground
for Cor. to Secs. 4, 5, 32,
and 33 marked with 4
notches on E. and 2 on
W. dig 2 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 along side
Surface level
Soil 3 rate
Good grazing

N. Q. T. 19. N. R. 21. Q. 9. S. R. M

- Chains N. $89^{\circ} 52'$ W. on a true line
bet. Secs. 5 and 32
Pa. $14^{\circ} 02'$ E
Over level surface
40.00 Set a sandstone $14 \times 12 \times 8$
ins 9 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 $5\frac{1}{2}$ ft. dist. and
raised a mound of earth $1\frac{1}{2}$
ft. high $3\frac{1}{2}$ ft. base along side
80.00 Set a sandstone $20 \times 10 \times 8$
ins. 15 ins in the ground
for Cor. to Secs. 5, 6, 31 and
32 marked with 5 notches
on E. and 1 on W. edges
dug pits $18 \times 18 \times 12$ ins in each
Sec. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft. high

N. W. T. 19 N. R. 21 E. G. S. P. M.

Chains $4\frac{1}{2}$ ft. base along side
 Surface level
 Soil 3rd. rate
 Good grazing

N. $89^{\circ} 52'$ W. on a true line
 bet. Secs. 6 and 31

Na. $14^{\circ} 02'$ E.

40.00

Set a sandstone $20 \times 10 \times 3$ ins
 15 ins. in the ground for $\frac{1}{4}$
 Sec 6 or marked $\frac{1}{4}$ on N.
 face dug pits $18 \times 18 \times 12$
 ins. E. and W. of stone $5\frac{1}{2}$
 ft. dist. and raised a
 mound of earth $\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft. base along side

84.30

Intersect - Cor from which
 I started

Oct 12, 1882

N.C. T-18 M. Q. 20 C. g. S. R. M.

Chains From the Cor. to Tps. 18 and 19 N.
 R. 19 and 20 C. which is a
 post set firmly in a mound of
 earth marked T. 19 N. S. 31 on
 N. C. R. 20 C. S. 6 on S. C.
 T. 18 N. S. 1 on S. N. and
 R. 19 C. S. 36. on N. N. faces
 with 6 notches on each edge
 and pits on N. S. C and N. lines
 6 ft. dist; I ran a random
 line C. setting trip 1/4 and
 Sec. Cor. at wavy 40 and
 80 Chains with a variation
 of $14^{\circ} 6' E$. and at 48, 71
 I inserted 5th aux. which an
 42 links N of Cor. which
 was recently set by myself
 and is a sandstone 10x8 ins
 properly set and marked.
 Thence I run

N. B. T. 18 M. R. 20 C. G. S. R M

Chains N. 89° 07' W. on a true line
bet. Secs. 1 and 30
Va. 14° 5' E

3800 Enter wash Co. S.

4000 Set a sandstone 30 x 18 x 6 ins
20 ins. in the ground for $\frac{1}{4}$
Sec. Cor. marked 4 on N.
face, and raised a mound
of stone along side
Pit - impracticable

507.25 Leave wash Co. S.

8000 Set a sandstone 10 x 10 x 8
ins. 7 ins. in the ground for
Corners Secs. 1, 2, 30, 36 marked
North - 1 notch on E. and
5 on N. edges dug pits 18 x
18 x 12 ins. $\frac{1}{2}$ each Sec. 5 $\frac{1}{2}$
ft. dist. and raised a mound
of earth 2 ft. high 4 $\frac{1}{2}$ ft.
base along side

B. Q. T. 18 N. R. 22 E. G. S. 9 M.

Chains

Surface Rolling
Soil 3rd rate
Good grazing

N. $89^{\circ} 57' N.$ on a true line
bet. Secs. 2 and 35

Pa. $14^{\circ} 3' E$

4000

Set a lava stone $10 \times 10 \times 8$
ins 7 ins in the ground
for $\frac{1}{4}$ Sec. Cor. marked
 $\frac{1}{4}$ on N. face dug pit
 $18 \times 18 \times 12$ ins. E. and N. of
stone $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
along side

8000

Set a Lava $12 \times 10 \times 5$ ins
8 ins in the ground
for Cor. to Secs. 2, 3, 34
and 35 marked with

N. B. T. 18 N. R. 20 E. J. S. Q. M

Chains 2 on C. and 4 on
 W. edges dug pits 18x18x12
 ins in each Sec. 5½ ft-
 dist. and raised a mound
 of earth 2 ft-high 4½
 ft-base along side
 Surface rolling
 Soil 3rd. rate
 Good grazing

N. 89° 57' W. on a true
 line bet Secs 3 and 34
 Va. 14° 03' E

4000 Set a sandstone 18x18x12
 ins. 7 ins in the ground
 for ¼ Sec. Cor. marked
 14 on N. face dug pits
 18x18x12 ins on 1 and
 W. of stone 5½ ft. dist.
 and raised a mound

N. B. T. 8 N. R. 20 Co. G. S. R. M.

Chains of earth $1\frac{1}{2}$ ft. high $2\frac{1}{2}$ ft. base along side

80,000 Set a sandstone $18 \times 10 \times 5$ ins 12 ins in the ground for Cor. to Secs. 3, 4, 33, 34, marked with 3 notches on Co. and Wedges dug pits $18 \times 18 \times 12$ ins in each Sec. $5\frac{1}{2}$ ft. dist and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base along side

Surface level

Soil 3rd rate

Good grazing

N. $89^{\circ} 57'$ W. on a true line bet. Secs. 4 and 33

Pa $14^{\circ} 03'$ Co

40,000 Set a sandstone $20 \times 6 \times 6$ ins 18 ins in the

N. B. T. 18 N. R. 20 E. 9. S. R. 11.

Chains 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 along side

8000

Set a sandstone 12x12x5 ins
8 ins. in the ground for Cor.
to Secs. 4 5. 32 1/4 33.
marked with 4 notches
on E. and 2 on W. 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
along side

Surface rolling

Soil 3rd rabbit

Good grazing

N. B. T. 15 N. R. 20 E. G. S. Q. M.

- Chains N. 89° 57' W. on a true line
bet- Secs 5 and 32
Va 14° 03' E.
- 5.00 Cross Dry wash 2.00 Chains
wide Co. S.
- 40.00 Set a sandstone 17x16x4
ins 12 ins in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
on N. face dug pits, E,
and W. of stone $5\frac{1}{2}$ ft.
dist- and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base along side
- 57.25 Cross wash 20 links wide Co. S. M.
- 80.00 Set a sandstone 20x10x3 ins
15 ins in the ground for Cor.
to Secs, 5, Co. 31 and 32
marked with 5 notches on
E. and 1 on W. edges. dug
pit- 18x18x12 ins. in

N. B. T. 18 N. P. 20 Q. J. S. R. M.

Chains

Each Sec. $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
2 ft. high $4\frac{1}{2}$ ft. base
along side

Surface rolling and level
Soil 3rd. rate

Grazing good

N. $89^{\circ} 57' W.$ on a true line
bet Secs 20 and 31

Var. $14^{\circ} 3' E.$

30,00

Leave prairie and enter
level surface

40,00

Set a sandstone $15 \times 10 \times 6$
ins 10 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 $N.$
of stone $5\frac{1}{2}$ ft. dist.

N. B. F. 18 N. R. 20 Q. 9 S. Q. M.

Chains and raised a mound of
earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft. base alongside.

86.71 Outward corner from
which I started

October 14 1882

No. 1399

E. W. T. 19 N. R. 19 E. J. S. P. M.

Chains From the Cor. to Twp 18 and
 19 N. R. 19 and 20 E. which
 is a post firmly set in
 a mound of earth marked
 Twp. 19 N. Sec. 31 on N. E.
 R. 20 E. S. 6 on S. E.
 T. 18 N. Sec. 1 on S. W. and
 R. 19 E. Sec. 36 on N. W. face
 I run N. obt. Secs. 31 and 36
 Va. $14^{\circ} 6' E$.

Cor level surface

38.00 - Level level surface

40.00 Set a lava stone $24 \times 10 \times 4$
 ins. 18 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. N. and S.
 of stone $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth
 $\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along grade

East Boundary T. 19 N. Range 19 E.
G. S. R.M.

Chains

5-200

Cross dry wash Co. S.W.

30 links wide and ascend

8000

Set a sandstone $14 \times 9 \times 3$
ins. 9 ins. in the ground
for Cor. to Sect 25, 30, 31
and 36 marked with 1 notch
on S. and 5 on N. edges
dug pits $18 \times 18 \times 12$ ins. in
each Sec. $5\frac{1}{2}$ ft. dist-
and raised a mound of
earth 2 ft. high $4\frac{1}{2}$ ft.
base alongside

Surface level and rolling
Soil sandy
Good grazing

North ft. Secs 25 and 30

Na $14^{\circ} 6'$ E.

Ascending gradually

E. B. T. 1977. R. 20 E. 9. S. R. M.

Chains

4.000

Set a sandstone $12 \times 9 \times 5$ ins
^{8 ins in the ground}
 for 14 Sec. Cor. marked
 $\frac{1}{4}$ on N. face dug pits
 $18 \times 18 \times 12$ ins N. and S.
 of stone $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 along side

67.00

8.000

Enter timber br. N. E. & S. W.
 Set a sandstone $14 \times 12 \times 3$
 ins 9 ins. in the ground
 for Cor. to Secs. 19, 24,
 25 and 30 marked with
 2 notches on S. and 4 on
 N. edge dug pits 18×18
 $\times 12$ ins in each Sec. $5\frac{1}{2}$
 ft. dist. and raised a
 mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base along side

C. B. T. 19 N. R 29 E. g. S. R. M.

Smaller trees 20 ins in diam. br. N70°E
 marked 19 N. R 29 E. g. S. R. M. No other trees in limits marked S. S. B. S.

Chains Surface rolling
 Soil 3rd rate
 Good grazing

North bet. Secs 19 and 24
 Va. 14° 0' E.

Over rough surface! ascending
 through timber

- 10.00 Top of spur br. Quad W. and
 descend 25 ft high
- 14.00 Cross sag Co. E. and ascend
- 40.00 Set a sandstone 14x7x3 ins
 9 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
 along side
- 58.00 Top of spur 100 ft. high

Q. 19 N. R. 19 E. g. S. R. M

Chains
62.00
50.00

to Q. and N. and descend
Leave timber to $\frac{1}{4}$ Q. and $\frac{1}{4}$ N.
Set a sandstone 14 x 7 x 7 ins
9 ins in the ground for Cor.
to Secs. 13 x 18 x 19 and 24
marked with 3 notches
on S. and N. edges dug
pits - 18 x 18 x 12 ins in
each Sec. 5 $\frac{1}{2}$ ft. dist.
and raised a mound of
earth 2 ft high 4 $\frac{1}{2}$ ft.
base along side
Surface rolling
Soil 3rd rate -
Good grazing

North bet. Secs 13 and 18
Na. 14° 6' E.

34.00

Ascend gradually
Top of spur to S. N. 50 ft. high

C. B. T. 19 N. R. 19 E. of S. R. M.

Chains

40.00

Set a sandstone 17x12x4 ins 12 ins. in the ground for 1/4 Sec Cor marked 1/4 on N. face dug pit - 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 along side

57.00

80.00

Cross sagl Co. S. W. and ascnd
Set a sandstone 19x9x4 ins 14 ins. in the ground for Cor. to Secs 7, 12, 13 and 18 marked with 4 notches on S. and 2 on N. edges dug pit - 18x18x12 ins in each Sec. 5 1/2 ft. dist. and raised a mound of earth - 2 ft. high 4 1/2 ft. base along side

B. B. T. 19 M. R. 19 G. J. P. M.

Chains

Surface Rolling
Soil 3rd rate
Good grazing

North bet. Secs. 7 and 12
Va 14° S' E.

Ascend

40.00

Set a sandstone 12x10x5 ins
8 ins in the ground for
14 Sec. Cor. marked 14
on N. face dug pit
18x18x12 ins. N. and S.
of stone 5½ ft. dist. and
raised a mound of earth
1½ ft. high 3½ ft. base
along side

42.00

Top of spur br. N. and S. 50 ft. hi.
and descend

50.00

Set a sandstone 24x9x3
ins 18 ins. in the ground

C. B. T. 19 N. R. 19 Q. J. S. R. M.

Chains for Cor. to Secs. 1, 6, 7 and 12
 marked with 5 notches on
 S. and 1 on N. edges and raised
 a mound of stone along side
 Digs - impracticable.
 Surface rolling
 Soil 3rd. rate
 Good grazing

North bet. Secs 1 and 6

N. 40° E. 8' Co

3553

Cross dry wash Co M. W.
 50 links wide, as end

3900

Top of spur bears N. and S. 70 ft. high

4000

Set a sandstone 12 x 8 x 7 ins.
 8 ins in the ground for 1/4 Sec.
 Cor. marked 44 on N. face
 dug pits 18 x 18 x 12 ins. N. and
 S. of stone 5 1/2 ft. dist. and raised
 a mound of earth 1 1/2 ft. high

B. O. J. 19 N. R. 19 C. J. S. R. M.

chains
400

3 1/2 ft; base along side
 Set a lava stone 20x9x3 ins
 15 ins. in the ground for
 Cor. to S. Trs. 19 and 20 N.
 Rs. 19 and 20 C. marked
 with O notches on each
 edge dug pits 24x18x12
 ins lengthwise on each
 line N. S. C. and W. of done
 6 ft. dist. and raised a
 mound of earth 2 1/2 ft.
 high 5 ft. base along side
 Surface rolling
 Soil 3rd rate
Good grazing

October 10 1882

N. 70. E. 19 N. Q. 20 E. J. S. R. M.

to Sp. 19 + 20 N. R. 19 + 20 E

Chains

From the Cor. just established
 I ran a random line East
 with a variation of $14^{\circ} 5'$ E.
 setting temp. 1/4 and Sec. Cor
 at wery 40 and 80 Chains and
 at 480, 21 Chains I direct-
 5th. aux. meridian Q. 126 links
 North of Cor. ^{to Sp. 19 + 20 N. R. 19 + 20 E} which is a
 sandstone 12x8 ins properly set
 and marked (by my self recently)
 Thence I run N. $89^{\circ} 58'$ W. $\frac{1}{4}$
 on a true line bet Secs. 1 and 30
 Va. $14^{\circ} 2'$ E.

4000

Over rough and broken surface
 Set a sandstone 12x10x7 ins
 signs in the ground for $\frac{1}{4}$
 Sec. Cor. marked $\frac{1}{4}$ on N.
 face dug pits 18x18x12 ins
 Q. and W. of stone $5\frac{1}{2}$ ft-
 dist. and raised a mound

N. B. T. 19 N. R. 20 E. J. S. & M.

Chains of earth 1 1/2 ft high 3 1/2 ft base along side

5000 Set a lava stone 14 x 12 x 4 ins 9 ins in the ground for Cor. to Secs. 1, 2, 30 and 30 marked with molet on E and 5 on W. edges 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 along side

Surface broken

Soil 3rd rate

Good grazing

N. 89° 51' W. on a true line bet. Secs 2 and 30 Va. 14 5' E.

4000 Set a sandstone 10 x 11 x 4 ins 10 ins in the ground for Cor.

N. B. T. 19 N. R. 20 C. G. L. R. M.

Chains $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
N. face dug pits - $18 \times 18 \times 12$
ins. E. and W. of stone $5\frac{1}{2}$
ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side

6300 Leave rough and inter smooth
surface descend.

8000 Set a lava rock $12 \times 10 \times 8$ ins
8 ins in the ground for Cor.
to Secs. 2, 3, 34 and 35 marked
with 2 notches on C. and 4 on
W. dug pits - $18 \times 18 \times 12$
ins. in each Sec. $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth 2 ft. high $4\frac{1}{2}$ ft.
base along side
Surface rough
Soil 3rd rate
Good grazing

N. B. S. 19 N. R. 20 E. G. S. R M

Chains. N. $89^{\circ} 57'$ W. on a true
line bet. Secs. 3 and 34
Va. $14^{\circ} 5'$ E.

4000 Set a sandstone $14 \times 12 \times 8$ ins
9 ins in the ground for 44
Sec. Cor. I marked 44 on N.
face; dug pits $18 \times 18 \times 12$ ins
E. and W. of stone $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth $\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side

5000 Set a sandstone $15 \times 10 \times 4$ ins
10 ins. in the ground for Cor.
to Secs. 3, 4, 33 and 34 mark-
ed with 3 notches on E. and
W. edges dug pits $18 \times 18 \times 12$ ins
in each Sec. $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth 2 ft. high $4\frac{1}{2}$ ft.
base along side

N. B. T. 19 N. R. 20 Q. J. S. R. M.

Chairs

Surface rolling
Soil good
Good grazing

N. $89^{\circ} 51'$ W. on a true line
bet. Sics 4 and 33

N. $14^{\circ} 5'$ E.

40.00

Set a sandstone $13 \times 12 \times 6$ ins
8 ins in the ground for 14
Sic Cor. marked 14 on
N. face dug pits $18 \times 18 \times 12$
ins. E. and W. of stone $5\frac{1}{2}$
ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $8\frac{1}{2}$
ft. base along side

80.00

Set a sandstone $20 \times 10 \times 6$ ins
15 ins in the ground for Cor
to Sics 4, 5, 32 and 33
marked with 4 notches on
E. and 2 on W. edges

N. B. T. 19 N. R. 20 E. G. S. R. M.

lines dug pits - 18x18x12 ins in each Sec. 5 1/2 ft dist. and raised a mound of earth - 2 ft high 3 1/2 ft base along side

Surface rolling

Soil 3rd rate -

Good grazing

N. 89° 54' W on a true line bet Secs 5 and 32

Ascend

22.00 Top of hill bears N. E. and S. W. 50 ft high.

40.00 Set a sandstone 18x8x8 ins 8 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

N. B. T. 7.9 N. R. 20 C. G. S. R. M.

Chains mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft. base along side
 80.00 Set a lava stone $10 \times 10 \times 8$ ins
 7 ins in the ground for Cor.
 to Secs. 5, 6, 31 and 32 marked
 with 5 notches on E. and 1 on
 N. edges dug pits $18 \times 18 \times 12$ ins
 in each Sec $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth $2\frac{1}{2}$ ft
 ft high $4\frac{1}{2}$ ft base along side
 Surface rolling
 Soil 3rd. rate
 Good grazing

N. 89° 51' W. on a true line
 bet Secs 6 and 31

Na 14° 5' E
 40.00 Set a sandstone $18 \times 14 \times 13$
 ins. 12 ins. in the ground
 for 14 Sec Cor. marked

N. O. J. 19 M. R 20 Q. J. S. R. M.

Chairs 1/4 on N. face dug pits
 18x18x12 ins O. and N.
 of stone 5 1/2 ft. dist. and
 raised a mound of earth
 1 1/2 ft high 8 1/2 ft. base
 alongside

(6.21) Labeled - O. from which
 I started.

October 16th 882

East-Boundary T₁₉ N. Range 18 East
G. S. R. M.

Chains From the Cor. to T₁₈ and 19
N. R. 18 and 19 East; which is
a post set firmly in a mound
of earth marked with T₁₉
N. S. 31 on N. E. R. 19 E. S.
Cor. S. E., T₁₈ E. S. 1 on
S. W. R. 18 E. S. 30 on N. W.
faces with 6 notches on each
edge and pits on each line
16 ft. dia. & run north-
st. S. cor. 31 and 30

Na. 14° 45' E.

Over sandy flat.

27.50 Point of spur. beam C. and
W. 40 ft. high

40.00 Set a sandstone 12x10x10 in
8 in in the ground for 1/4
Sec. Cor. marked 1/4 on
N. face dug pits 18x18x12
in N. and S. of stone 5 1/2

177
 B. O. T. 19 M. R. 18, C.
 G. S. R. M.

chains. ft. dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 along side

000 Set a sandstone $10 \times 10 \times 6$ ins. fine
 in the ground for Cor. to Secs.
 20, 30, 31 and 32 marked with
 1 notch on S. and 5 on N. edge
 dug pits - $18 \times 18 \times 12$ ins in each
 Sec. $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth 2 ft high
 $4\frac{1}{2}$ ft. base along side
 Surface level
 Soil 3rd rate.

Good grazing

North bet. Secs. 25 and 30
 N. $14^{\circ} 45' E.$

Over flat

Leave flat bet. S. W.

000
 000 Set a sandstone $20 \times 10 \times 8$ ins

C. O. T. 19 M. R. 18 G. J. S. R. M.

Chains 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face dug pits - 18x18x12 ins N. and S. of down 5 1/2 ft. dist. and raised a mound of earth - 1 1/2 ft. high 3 1/2 ft. base along side

74.00 Cross wash 50 links wide Course S. W.

80.00 Set a sandstone 20x9x4 ins 15 ins. in the ground for Cor. to Secs. 20, 30, 19 and 24 marked with 2 notches on S. and 4 on N. 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 along side Surface level Soil 3rd. rate

B. T. 19 N. R. 15 E. G. S. R M

ains

Good grazing

North bet. Secs. 19 and 24
Ta. 14° 45' E.

ascending gradually

2.00

Top of Sp. ls. Co. and N. 70 ft. high

0.00

Set a lava rock ^{24x} 10 x 4 ins.

8 ins. in the ground for 1/4 Sec.

Co. marked 1/4 on N. face dug

pits N. and S. of stone 5 1/2 ft.

dist. and raised a mound of

earth 1 1/2 ft. high 2 1/2 ft. base

along side

0.00

Set a sandstone 12 x 6 x 8 ins

ins. in the ground for Co.

to Secs. 13, 18, 19 and 24 marked

with 3 notches on N. and

S. edges dug pits 18 x 18

x 12 ins in each Sec. 5 1/2

ft. dist. and raised a mound

180
 O. O. J. 19 M. R. 18. O. J. S. R. M.

Chains of earth - 2 ft high $4\frac{1}{2}$ ft. base
 Along side
 Surface rolling
 Soil 3rd rate
 Good grazing

North bet. Secs. 13 and 15
 Va. $14^{\circ} 45'$ W

Over sandy flat

40.00

Set a sandstone $12 \times 12 \times 10$ ins
 8 ins in the ground for 14
 Sec. Cor. marked 4 on N. face
 dug pit $18 \times 18 \times 12$ ins. W
 N. and S. of stone $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along sides

80.00

Set a sandstone $20 \times 12 \times 5$
 ins 15 ins in the ground
 for Cor. 15 Secs 7, 12, 13

B. T. 19 N. R. 18 E. G. S. R. M.

Chains and 18 marked with 4 notches
on S. and 2 on N. edges
dug pits 18 x 18 x 12 ins. ~~each~~
Each S. C. 5 1/2 ft. dist.
and raised a mound of
earth 2 ft. high 4 1/2 ft. bare
along side
Surface level

Soil sandy 3rd rate
Good q rag mig

North bet. Secs. 7 and 12
Va. 14° 45' E

Over sandy flat

0.00
Set a sandstone 12 x 10 x 8 ins
8 ins in the ground for 14
Sec. Cor. marked 14 on
N. face dug pits 18 x 18 x 12
ins. N. and S. of stone 5 1/2
ft. dist. and raised a

C. O. J. 19 M. R. 18 E. J. S. R. M.

Chairs mound of earth 1 1/2 ft high 2 1/2 ft base along side
52.00 Cottonwood creek Co.

No 42 huts wide
80.00 Set a sandstone 14 x 12 x 10 ins. 9 ins in the ground for Cor. to Secs. 1, 6, 7 and 12 marked with 5 notches on S. and 1 on N. edges 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 along side

Surface level
Soil 3rd rate sandy
Good grazing

North bl. Secs 1 and 6
Ta. 14° 45' E

G. B. T. 19 M. R. 18 G. J. S. P. M.

chains over sandy flat

000
Set a sandstone 12x10x8 ins
5 ins in the ground for
1/4 Sec. Cor marked 1/4
on W. face dug pits 18x
18x12 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 along side

00
Set a sandstone 14x12x12 ins
9 ins in the ground for
Cor. to Sp. 19 and 20 N. P.,
18 and 19 G. marked with 6
notches on each edge dug pits
18x18x12 ins, ^{lengthwise} on line N. S. G. and N.
of stone 6 ft. dist. and raised a
mound of earth 2 1/2 ft. high
5 ft. base along side

Surface level
Soil 3 rd. rate sandy
good grass meadow

Oct. 18th
1852

M. B. T. 19 M. R. 19 E. J. S. R. M.

Chains

From the Cor. to Tps. 19 and 20 M. R. 18 and 19 E. just set, I run East on a random line with a Va. of $14^{\circ}9' E$ and at 483.00 Chains intersect Range line 2.00 Chains N. of Cor. which was recently set by myself.

Thence I run N. $189^{\circ}46' W$ on a true line bet. Secs. 1 and 30 Va. $14^{\circ}5' E$

Over rough and broken surface ascend.

29.00

Top of sand hill bears N. and S. and descend

40.00

Set a sandstone $17 \times 12 \times 4$ ins 11 ins. in the ground for $1/4$ Sec. Cor. marked $1/4$ on N. face dug pits $18 \times 18 \times 12$ ins E. and W. of stone $5\frac{1}{2}$ ft. dist. and raised a mound

M. B. T. 19 M. R. 19 C. J. S. P. M.

ins
3.50
8.00
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side
Cross dry wash Co. N. N.
100 huts wide and as usual
Top of spur br. N. and S. 70 ft. high
and descend

.00
Set a sandstone $20 \times 5 \times 4$ ins 16
ins. in the ground for Co. to
Secs. 1, 2, 35 and 36 marked
with 1 N. on C. and 0 on N.
edges dug pits $18 \times 15 \times 12$ ins
in each Sec. $5\frac{1}{2}$ ft. dirt
and raised a mound of earth
2 ft. high $4\frac{1}{2}$ ft. base along side
Surface rough
Set 3 rd. rate

Good grazing

N. $89^{\circ} 46'$ N. on a true
line bet. Secs. 2 and 35 Va. $14^{\circ} 50'$ E.
Same rough surface

M. R. T. 19 M. R. 19 C. g. S. R. M

- Chairs
4000
6700
7800
8000
- and into valley
Set a lava stone $18 \times 14 \times 4$ ins
12 ins in the ground for ⁴ Sec. Cor.
marked "4" on N. face dug
pits $18 \times 18 \times 12$ ins E. and W.
of Cor. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. base along side
Enter rough surface, ascend
Top of spur to N. E. and S. W.
75 ft. above valley
Set a lava stone $16 \times 12 \times 4$ ins
11 ins in the ground for Cor.
to Secs 2, 3, 34 and 30 -
marked with 4 notches on
W. and 2 on E. edges dug
pits: $18 \times 18 \times 12$ ins in each
Sec. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft.
high $4\frac{1}{2}$ ft. base along side

N. B. T. 19. N. R. 19. O. J. S. R. M.

Leaves

Surface rough and rolling
Soil 3rd rate
Good of raining

N. $89^{\circ}46'$ W. on a true line
bet. Secs. 3 and 34

Pa. $14^{\circ}8'$ E.

2000

Set a lava stone $14 \times 14 \times 7$
ins 9 ins in the ground
for $\frac{1}{4}$ Sec. C. Cor. marked
 $\frac{1}{4}$ on N. face dug pits -
 $18 \times 18 \times 2$ ins C. and W. of stone
 $5\frac{1}{2}$ ft. dist. and raised a
mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side

5000

Leave rough surface
Set a lava stone $14 \times 9 \times 4$
ins, 9 ins in the ground for
Cor. to Secs. 3, 4, 33 and 34
marked with 3 notches on

M. P. T. 19 M. R. 19 E. J. S. P. M.

Chains

E. and N. edges 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 along side

Surface rolling

Soil 3rd rate

Good grazing

N. 89° 46' W. on a tree line bet. Sec. 4 and 33
Va 14° 8' E.

19.00
4000

Ozore wash Co. N. 4 Ch. wide
Set a lava stone 16 x 14 x 12 ins 11 ins. in the ground for 1/4 ft. to Sec. - Cor. marked 1/4 on N. face dug pits 18 x 18 x 12 ins. E. and N. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high

N. Q. T. 9 M. R. 19 Q. g. S. R M

0.00

3 1/2 ft. base along side
 Set a lava stone 24x10x3
 ins 18 ins in the ground for
 Co. to Secs. 4, 6, 32 and 33
 marked with 4 notches on
 Co. and 2 on N. edge
 dug pits 18x18x12 ins in
 each Sec. 5 1/2 ft. dia. and
 raised a mound of earth
 2 ft. high 4 1/2 ft. base
 along side
 Surface rolling
 Soil 3rd rate
Good grazing

N. 89° 46' W on a true
 line bet. Secs. 5 and 32
 Va. 14° 8' Q

0.00
 Set a sandstone 16x10x4 ins
 11 ins in the ground for 1/4

N. P. T. 19 N. R. 19 E. 9. S. P. M.

Chains

E. and W. edges dug pits 18 x
18 x 12 ins. in each Sec. $5\frac{1}{2}$
ft. dist. and raised a mound
of earth 2 ft. high $4\frac{1}{2}$ ft. bar
along side

Surface rolling

Soil 3rd rate

Good grazing

N. $89^{\circ} 46'$ W. on a tree
line bet. Sec. 4 and 33

Na $14^{\circ} 8'$ E.

19.00

4000

Ozora wash Co. N. 4 Ch. wide

Set a lava stone $16 \times 14 \times 12$ ins

11 ins. in the ground for $\frac{1}{4}$ ft.

to Sec. 1 Cor. marked

$\frac{1}{4}$ on N. face dug pits 18

$\times 18 \times 12$ ins. E. and W. of stone

$5\frac{1}{2}$ ft. dist. and raised a
mound of ~~st~~ earth $1\frac{1}{2}$ ft. high

N. 89° 46' W. R. 19° 0. g. S. P. M

0.00
 3½ ft. base along side
 Set a lava stone 24x10x3
 ins 18 ins in the ground for
 Co. to Secs. 4, 6, 32 and 33
 marked with 4 notches on
 Co. and 2 on N. edge
 dug pits; 18x18x12 ins in
 each Sec. 5½ ft. dia. and
 raised a mound of earth
 2 ft. high 4½ ft. base
 along side

Surface rolling
 Soil 3rd rate

Good grazing

N. 89° 46' W on a true
 line bet. Secs 5 and 32
 Va. 14° 8' 0

0.00
 Set a sandstone 16x16x4 ins
 11 ins in the ground for ¼

N. R. T. 19 N. R. 19 C. g. S. O. M.

Chinus Sec. Cor. marked 14 on N.
face dug pits - 18x18x12 ins.
E. and W. of stone 5½ ft. dist.
and raised a mound of
earth 1½ ft. high 3½ ft. base
along side

8000

Set a lava stone 12x7x6 ins
8 ins in the ground for
Cor. to Secs. 5, 6, 31 and 32
marked with 5 notches on E.
and 1 on W. edges dug pits
18x18x12 ins. in each Sec.
5½ ft. dist. and raised a
mound of earth 2 ft. high 4½
ft. base along side
Surface rolling
Soil 3rd. rate
Good grazing

N. B. J. 19 N. R. 19 E.

- Chains N. 89° 46' W. on a true line
bet Sec. Quad 81
Va. 14° 8' Co.
- 41.00 Set a sandstone 16x7x3 ins. 11
ins. in the ground for 114 Sec.
Cor. marked 114 on N. face
dry pits 18x18x12 ins. Quad N.
of stone 5½ ft. dist. and raised
a mound of earth 1½ ft.
high 3½ ft. base along side
52.35- Richards ranch bears due S.
of this point 7.50 Chas. dist.
35- Cross Cottonwood creek to
S. W. 2.00 Chains wide
335- Intersect Cor. from which
I started

October 18th 1882

~~E. B. J. 19 A. R. 17 E. S. A. R. M.
E. B. J. 19 A. R. 17 E.~~

Chairs

From the Co. 15 - Tr. 18, 19
N. R. 17 and 18 C. which
is a post set firmly in
a mound of earth, marked
Tr. 19 N. E. 31 on N. E.
R. 18 C. S. 1 on S. E.
Tr. 18 N. S. 1 on S. W. and
R. 17 C. S. 20 on N. W. face
with 6 notches on each edge
and pits on each line 6
ft. dist. - I run North
Tr. 18 S. 1 and 20
N. 13' 36' C.

Ascend gradually

16.00

Top of rocky spur bears
C. and N. 40 ft. high

32.00

Edge of bluff to C and N.
and descend

38.76

Cross wash 20 links
wide to N. C. and ascend

C E B J 19 d. Q. 17 E. & S. R. M.

Chairs

40.00

Set a sandstone 14x8x5 ins
9 ins. in the ground for $\frac{1}{4}$
Sic. Cor. marked $\frac{1}{4}$ on
N. face and $\frac{1}{4}$ on
and $\frac{1}{4}$ on
along side. Site impracticable

42.00 Top of bluff bet. N. E. and S. W.
and descend.

44.95 Cross dry wash 200 links
wide down N. E. and ascend

47.50 Top of bluff bet. N. E. and
S. W. and descend.

60.00 Elevation flat bet. N. E. and S. W.

80.00 Set a sandstone 18x12x10 ins
12 ins in the ground for
Cor. to Sics. 25, 30, 31 and 36
marked with 1 notch on S.
and 5 on N. edges dug pits
18x18x12 ins. in each Sic.

E B S 19 N R 17 E 19 S R M.

Chains

5½ ft. dist. and raised a
mound of earth 2 ft. high
4½ ft. base along side
Surface rough and rolling
Soil 3 rd. rate
Good grazing

North bet. S 10, 25 and 30
N. 13° 45' E.

Over sandy flat

4000

It is a sandstone 13 x 10 x 8
ins 8 ins in the ground for
14 S.C. Co. marked 44 on
N. face dug pits 18 x 18 x 12
ins. ~~at~~ N. end S. of stone
5½ ft. dist. and raised a
mound of earth 1½ ft. high
3½ ft. base along side
Center Cottonwood wash
Course N.

74.85

E. B. J. 19 N. G. 17 E. G. S. R. M.

Chains

7950

Sept same Co. W.

8000

Set a sandstone 13x13x8
ins. 8 ins. in the ground for
Co. to Secs 19, 24, 26 and 30
marked with 2 notches
on S. and 4 on N. edges
dug pits 18x18x12 ins in
Each Sec. 5½ ft. dist. and
raised a mound of earth
2 ft. high 4½ ft. base
along side

Surface rolling

Soil 3rd. rate

Good grazing

North bet. Secs 19 and 24
Va, 12°45' E.

4000

Set a sandstone 20x16x8
ins. 16 ins in the ground

E. B. T. 1924 Q. 17E. J. S. R. M.

Chains

for 14 Sec. Cor. marked
 14 on N. face dug pits
 18x18x12 ins N. and S.
 of stone 5½ ft. dist. and
 raised a mound of earth
 1½ ft. high 3½ ft. base
 along side

80.00

Set a Sandstone 20x12x8
 ins 15 ins. in the 9 round
 for Cor. 15 Secs, 13, 18, 19
 and 24 marked with 3
 notches on S. and N. edges
 dug pits 18x18x12 ins in
 each S.C. 5½ ft. dist. and
 raised a mound of earth
 2 ft. high 4½ ft. base
 along side

Surface rolling
 Soil 3rd rate
 Good grazing

E. B. J. 19, N. R. 17 E 19. S. R. M.

- Chains North-ht. Sics. 13 and 18
 Va. $13^{\circ} 45' \text{O}$.
- Over sandy prairie
- 4.00 Leave same
- 4.00 Set a sandstone $17 \times 12 \times 10$ ins
 11 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
 N. and S. of stone $5\frac{1}{2}$ ft
 dist. and raised a mound
 of earth $\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side, ascend
- 5.30 Top of hill bs. Quad N.
 75 ft. high and descend
- 8.00 Set a sandstone $20 \times 12 \times 8$ ins
 15 ins in the ground for Cor.
 to Secs. 7, 12, 13 and 18 marked
 with 4 notches on S. and
 2 on N. edges; dug pits
 $18 \times 18 \times 12$ ins in each Sec.

E. Q. T. 19 St. R. 17 E. 9. S. R. M.

Chains

5½ ft. dist. and raised a mound of earth 2 ft. high
4½ ft. base along side

Surface rolling

Soil sandy 3rd. rate

Good grazing

North bet. Secs 7 and 12

Pa. 13° 45' E.

Over table land

4000

Set a sandstone 14 x 12 x 8 ins

9 ins in the ground for 14

Sec. Cor. marked 1/4 on

N. face; dug pits 18 x 18 x 12

ins N and S. of stone

5½ ft. dist. and raised a

mound of earth 1½ ft. high

3½ ft. base along side

8000

Set a sandstone 120 x 12 x 11 ins

15 ins in the ground for Cor.

E. B. J. 19 at R. 17 E. V. S. P. M.

Chains to Secs. 1, 6, 7 and 12 marked with 5 notches on S. and 1 on N. edges dug pits 18x18x12 into the surface. Sec. 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base along side.

Surface rolling
Soil 3rd. rate
Good grazing

North bet. Secs. 1 and 6
Va. 13'45" Q.

3000 Over high table land. ascend
Top of hill 40 ft. high bears
Q. and N. and descend
4000 Set a sandstone 14x12x8
ins. 9 ins. in the ground
for 4 Sec. Cor. marked 14
on N. face, dug pits

E. C. J. 19 N. R. 17 E. 9. S. R. M.
~~N. C. J. 19 N. R. 19 E.~~

- Chains 18x18x12 ins N and S. of
 stone 5½ ft. dist. and raised
 a mound of earth 1½ ft. high
 3½ ft. base along side
- 54.00 Cross sag 400 links wide
 Co. S. T. C. and ascend
- 70.00 Top of hill br. C. and N.
 and descend over table land
- 80.00 Set Sandstone 14x12x10
 ins. 9 ins in the ground
 for C or to Twp 19 and 20
 N. Co. 17 and 18. C. marked
 with O notches on each
 edge dug pits 24x18x12 ins.
 N. S. C. and N. of stone on line
 10 ft. dist. and raised a
 mound of earth 2½ ft. high
 5-ft. base along side
- Surface rolling
 Soil 3rd rate
 good grassing
- Oct. 20th
 1882

N. B. T. 19 N. R. 18 E. G. S. R. M.

to Sp. 19 + 20 N. R. 17 + 18 E.

Chains

From the Corner, just set
I ran C. on a random
line with a Va. of $14^{\circ}10'E$.
~~#~~ Setting temp. $\frac{1}{4}$ and Sec.
Cor. at wing 40 and 80 Chains
and at 484.00 Chains intersect
Range line 30 links N. of Cor.
^{20 Sp. 19 + 20 N. R. 18 + 19 E.}
which was recently set by myself
Thence I run N. $89^{\circ}07'W$.
on a true line bet Ice land and 30
Va. $14^{\circ}9'E$

Over flat -

144.00

Segue flat bet N. and S.

49.10

Set a sandstone $14 \times 10 \times 8$ ins
9 ins. in the ground for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on N.
face dug pit. $18 \times 18 \times 12$ ins
E. and N. of stone $5\frac{1}{2}$ ft. dist.
and raised a mound of earth
 $1\frac{1}{2}$ ft. high $8\frac{1}{2}$ ft. base

N. 63. T. 19. N. R. 18 E. g. S. 2. M.

Chains

80.00

along side

Set a sandstone 10 x 14 x 3 ins.
11 ins. in the ground for Cor.
to Secs. 1, 2, 30 and 34
marked with 1 notch on
Q. and 5 on N. edges 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 along side
Surface rolling
Soil 3rd. rate
Good grazing

N. 89° 51' W. on a true
line bet. Secs. 2 and 30

N. 14° 10' Q.

11.50

Cross dry wash 325 links
wide C. S. Q. and ascend

38.00

Top of spur 55 ft. high

N. B. J. / 9 N. Cr. 18 E. G. S. P. M.

Chairs
4000

beats N. O. and S. W.
Set a sandstone 14 x 12 x 8
ins. 9 ins in the ground for
1/4 Sec. Cor. marked 1/4
on N. face dug pits 18
x 18 x 12 ins. C. 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

5000

Set a sandstone 14 x 12 x 8 ins
9 ins in the ground for Cor
to Secs. 2, 3, 34 and 35 -
marked with 2 notches
on C. and 4 on W. edges
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 1/4 ft.
base alongside
Surface rolling

N. O. S. T. 19 N. R. 18 E. 9. S. P. M.

Chains

Soil & rd rate.

Good g raying

N. 89° 51' W. on a true line
bet. Sec 3 and 34

N. a. 14° 10' C.

40.00

Set a sandstone 15 x 12 x 8 ins
10 ins in the ground for 1/4 Sec
C or marked 1/4 on N. face
dug pits 18 x 18 x 12 ins C.
and N. of stone 5 1/2 ft. dist-
and raised a mound
of earth 1 1/2 ft. high 3 1/2 ft.
base along side

80.00

Set a sandstone 12 x 10 x 8
ins 8 ins in the ground
for C or to Sec 3, 4, 33,
and 34 marked with
3 notches on C. and N. edges
dug pits 18 x 18 x 12 ins in

N. B. F. 19 N. R. 18 E.

Chains Each Sec. $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth 2 ft. high $4\frac{1}{2}$ ft. base
along side

Surface rolling
Soil 3rd state
Good grazing

N. $89^{\circ}51'$ W. on a true line
bet. Secs 4 and 33
Va. $14^{\circ}9'$ E

4000

Set a sandstone $14 \times 12 \times 8$
ins. 9 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. O. end N.
of stone $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
along side

N. 05° 19' N. P. 18 E,

Chamie
8800

Set a sandstone 20 x 14 x 6 ins.
15 ins in the ground for Cor.
to Secs. 4, 5, 22 and 33 marked
with 4 notches on C, and 2 on
W. edges dig pits 18 x 18 x 12
ins C, and W. of stone 6½
ft. dist. and raised a
mound of earth 2 ft. high
4½ ft. base along side

Surface rolling
Soil 3rd rate
Good grazing

N. 89° 51' W. on a true line
bet. Secs. 5 and 22.

Na. 14° 10' E

4000

Set a sandstone 14 1/2 x 8 ins
9 ins in the ground for
1/4 Secs Cor marked 1/4

N. B. 519 N. P. 18E

Chains
 8000 on N. face dug pits 18x
 18x12 ins. E. and W. of stone
 5½ ft. dist. and raised
 a mound of earth 1½ ft.
 high 3½ ft. base along side
 Set a sandstone 18x12x7
 ins. 8 ins. in the ground for
 Cor. to Secs. 5, 6, 31 and 32
 marked with 5 notches
 on E. and 1 on W. edge; dug
 pits 18x18x12 ins. in
 each Sec. 5½ ft. dist.
 and raised a mound
 of earth 2 ft. high 4½
 ft. base along side
 Surface rolling
 Soil 3rd. reb.
Good grazing

N. W. T. 19 N. Q. 18 E

Chains N. $89^{\circ}51'$ W. on a true line
bet. Sec 6 and 31
Va. $14^{\circ}9'$ C.

40.00 Set a sandstone $14 \times 13 \times$
6 ins. 9 ins. in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
on N. face dug pits 18×18
 $\times 12$ ins. S. and W. of stone
 $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. base along side
84.00 Intersect Cor. from
which I started

October 2nd 1882

N. B. T. 17 N. R. 25 E. J. S. R. M.

Chains

From the Cor. to Tps,
 17 and 18 N. R. 24 and 25 E.
 which is a sandstone $2\frac{1}{2}$
 $\times 10 \times 10$ ins. firmly set in
 a bed of round marked with
 6 notches on each edge and
 with pits on each line 6
 ft. dist. and a mound of earth
 along side & run
 E. on a random line with
 a variation of $14^{\circ}15'$ E. and
 at 478.52 Chains intersect
 Range line 80 links N. of Cor.
 which is a post set firm
 ly in a mound of earth
 marked Tps. 18 N. S. 31 on N.E.
 R. 26 E. S. 6 on S. E.
 Tps. 17 N. S. 1 on S.W.
 R. 25 E. S. 36 on N. ^W focus
 with pits on each line

N. 20° E 17 N. 9, 20° E

Chains 6 ft. dist- and marked with
 6 notches on each edge
 Thence I run N, 89° 15' 4" W.
 on a true line bet. Sec. 1 and 36
 Ta, 14° 8' E.

ascend gradually

26.50 Top of ridge bet. N.E. and S.W. 30 ft. W.

27.50 and descend gradually

35.00 Low depression bet. N. and
 S. and ascend gradually

40.00 Set a post 3 ins. sq. 3 ft.
 long with marked stone 12
 ind. in the ground for 1/4 Sec.
 Cor. marked 1/4 S. on N. face
 dug pit 18 x 18 x 12 ins. O. and
 W. of post 5 1/2 ft. dist. and
 raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. base around

80.00 Set a post 4 ins sq. 4 ft.

N. B. F. 17 N. R. 25 E

Chains long with marked stone 12 ins.
in the ground for Cor. to Secs.
1, 2, 35. and 36 marked

T. 18 N. S. 30 on N. C.

R. 25 C. S. 1 on S. C.

T. 17 N. S. 2 on S. W. and

S. 35 on N. W. faces with

1 notch on C. and 5 on W. edges

dig pits - 18 x 18 x 12 ins. in

each S. $5\frac{1}{2}$ ft. - dist. - and

raised a mound of earth

2 ft. high $4\frac{1}{2}$ ft. base

around post

Surface rolling

Soil 3rd rate

Good grazing

N. 89° 54' W. on a true line

bet. Secs. 2 and 35

Ca. 14° 15' C.

N. B. T. 17 N. R. 25-E.

Chains Ascend

30.00 Top of ridge bet. N. C. and
S. M. and descend

40.00 Set a post 3 ins sq. 3 ft.
long with marked stone
12 ins. in the ground for
1/4 Sec. Cor. marked 1/4
S. on N. face dug pits
18 x 10 x 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. bar around post

50.00 Set a post 4 ft. long 4 ins
square with marked
stone 12 ins in the
ground for Cor. to Sec.
2, 3, 34 and 35 marked
T. 18 N. S. 35 on N. C.
R. 25 C. S. 2 on S. C.
T. 17 N. S. 3 on S. M. and

A. B. T. 17 N. R. 25-E

Chains S. 34 on N. W. faces
 with 4 notches on W. & 2 notches on E. edges
 dug pits 18 x 18 x 12 ins. in
 each Sec. 5 $\frac{1}{2}$ ft. dist. and
 raised a mound of earth
 2 ft. high 4 $\frac{1}{2}$ ft. base
 ground post.
 Surface rolling
 Soil 3rd rate
 Good grazing

N. 89° 54' W. on a true
 line bet. Secs. 3 and 34
 Na. 14° 15' E

descend gradually

Low depression bet. N. 30. and
 S. W. ^{3 ch. wide} and ascend gradually

Set post 3 ft. long 3 ins. sq.
 with in a red stone 12
 ins. in the ground for 1/4
 Sec. Cor marked 1/4 S on

15.00

40.00

N. B. T. 17 N. P. 25 E.

Chains N. face 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 around
 spot

8000 Set a sandstone 16 x 8 x 6 ins
 11 ins in the ground for Cor
 to Secs 3, 4, 33 and 34
 marked with 3 notches on
 E. and W. edges 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 alongside
 Surface rolling and mountainous
 Soil 2nd. val.

Good grass

Timber scrub cedar

N. B. T. 17 N. R. 25 E.

Chains N. 89° 54' W. on a true line
 bet. S. 602 4 and 33
 Na. 14° 15' 0

Ascend gradually

24.00 Top of ridge bet. N. and
 S. 60ft. high and descend

40.00 Set a sandstone 10x10x7 ins
 11 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 1/2 ft. high
 3 1/2 ft. base alongside

80.00 Set a post 4 ft. long 4 ins
 sq. with marked stone
 12 ins in the ground
 for Cor. to Sec. 45, 32
 and 33 marked
 T. 18 N. S. 33 on N. C.

N. Q. J. 17 N. Q. 25-E

Chains

Q. 25 O. S. 4 on S. O.
 J. 17 N. S. 5 on S. N. and
 S. 32 on N. N. faces
 4 notches on O. and 2 on N.
 edges dug pits - $18 \times 18 \times 12$
 ins in each Sec. $5\frac{1}{2}$ ft. dist
 and raised a mound of earth
 2 ft. high $4\frac{1}{2}$ ft. base around post.
 Surface rolling and mountainous.
 Soil 2nd. rate -
 Good grazing
Timber scrubby cedar

N. $89^{\circ} 54'$ W. on a true
 line bet. Secs 5 and 32
 Na. $14^{\circ} 15'$ E.

Descend gradually

4000

Set a post 3 ft. long 3 ins.
 sq. with marked stone 12
 ins. in the ground

A. B. S. 17 A. P. 25 E.

Chains for 1/4 Sec. Cor. marked 1/4
 on N. face dug pits -
 18x18x12 ins. E. and W. of
 post - 5 1/2 ft. dist. and raised
 a mound of earth 1 1/2 ft.
 high 3 1/2 ft. base around post.
 8000 Set a post 4 ft. long 4
 ins. sq. with marked stone
 12 ins. in the ground for
 Cor. to Secs. 31 and 32
 marked with -

T. 18 N. S. 32 on N. E
 R. 25 E. S. 5 on S. E

T. 17 N. S. 31 on S. W. and
 S. 31 on N. W. face,
 with 1 notch on N. and
 5 on E. edge dug pits -
 18x18x12 ins. in each Sec.
 5 1/2 ft. dist. and raised a
 mound of earth 2 ft.

N. B. T. 17 N. R 25-E,

Charris high 4½ ft. bar around post
 Surface rolling
 Soil 2nd. rate
 Good grazing
Sattering Cedar

N. 89° 54' W. on a true
 line bet. S. Sec. 1 and 31
 Sta. 14° 15' E,

1000 descend gradually
 Low depression between
 N. 11 and S. 11, and ascend
 4000 Set a post - 3 ft. - long 3 ins
 sq. with marked stone
 12 ins in the ground for
 ¼ Sec. Cor. marked ¼ S.
 on N. face dug pits 18 x 18
 x 12 ins. in and
 apart - 0½ ft. dist. and
 raised a mound.

N. B. T. 17 N. R 20-E,

Chains earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base around post-

78.02 I returned - Box from
which I started

November 17th 882

W. B. T. 18 M. R. 26. C. J. S. P. M.

Chains From the Cor. to Tps. 17 and
 18 N. R. 25 and 26 C. #
 which is a post set firmly
 in a mound of earth marked
 T. 18 N. S. 21 on N. C.
 R. 26 C. S. 0 on S. C.
 T. 17 N. S. 1 on S. W. and
 R. 25 C. S. 30, on N. W. face
 with 6 notches on each edge
 and with fub on line 6 ft.
 dist. Thence 2 runs

North bet. Secs. 21 and 30
 Pa. $14^{\circ} 8' E$.

Ascend gradually

4000

Set a post 3 ft. long 3 ins
 sq. with marked stone 3 ins
 in the ground for $1/4$ S. Cor.
 marked $1/4$ S. on N. face
 dug fub - 18 x 18 x 12 ins
 # of N. and S. of post

W. B. F. 18 N. R. 20 E.

- Chains 5½ ft. dist and raised
a mound of earth ½
ft. high 3½ ft. base
~~etc.~~ around post
- 7,000 Top of mesa on E. and W.
and descend
- 8,000 Set a post 4 ft long
4 ins sq. with marked
stone 12 ins in the ground
for Cor. to Secs 25, 30, 31
and 36 marked
T. 18 N. S. 30 on N. E.
R. 20 E. S. 31 on S. E.
P. 25 E. S. 30 on S. W. and
S. 25 on N. W. faces
with notches on S. and
E. on N. edges dug pits
18 x 18 x 12 ins. in each Sec.
5½ ft. dist and raised a
mound of earth

M. B. T. 18 N. R. 26 E.

Chairs 2 ft. high 4½ ft. base
ground post.

Surface rolling
Soil 2nd rate -
Good grazing

North bet. Secs. 25 and 30
T₁₄ 8' Q.

descend gradually

11,50 Dry wash 5-6 ft. wide
Co. N. O. and S. W. ascend.

4500 Set a post 3 ft. long 3 ins
sq. with marked stone
12 ins in the ground for 1/4
Sec. Cor. marked 1/4 S. on
N. face dug pits 18 x 18 x 12
ins. N. and S. of post
5½ ft. dist. and raised
a mound of earth 1½ ft.
high 3½ ft. base

N. B. F. 18 N. R. 20 E.

Chains around post
8000

Set a post 4 ft. long 4 ins sq. with - marked flou 12 ins in the ground for Co. to Sect 19, 24, 25 and 30 marked

T 18 N. S. 19 on N. C. R. 20 E. S. 30 on S. E. R. 25 E. S. 25 on S. N. and S. 24 on N. N. faces with 2 notches on S. and 4 on N. 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 around post
Surface rolling
Soil 3rd. rate
Good grazing

W. B. F. 18 N. R. 26 E.

- Chains North bet. Secs. 19 and 24
 Na $14^{\circ} 8'$ E.
- Ascend gradually
- 300 Top of Poplar beam C. and W.
 30 ft. high and descend
- 450 Dry wash Co. C. 10 links wide
 and ascend
- 3750 Top of ridge bet. N. W. and S. C.
- 4000 Set a post 3 ft. long 3 ins sq.
 with marked stone 12 ins
 in the ground for 1/4 Sec.
 Cor marked 14 S. on W. face
 dug pits 15 x 18 x 12 ins N. and
 S. of post 5 1/2 ft. dist. and
 raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. base
 ground post
- 8000 Set a post 4 ft. long
 4 ins sq. with marked
 stone 12 ins. in

W. B. F. 18 N. R. 26 E

Chains the ground for Co. to Sec.
 13, 18, 19 and 24 marked
 T. 18 N. S. 18 On N. C.
 R. 26 E. S. 19 on S. E.
 R. 25 E. S. 24 on S. W. and
 S. 13 on N. W. faces
 with 3 mounds on S and
 N. edges 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
 around post
 Surface rolling
 Soil 2nd. rate
 Good grazing

North bet. Sec. 13 and 18
 No. 14° 8' E.

Descend gradually

W. Q. F. 18 A. - R. 26 E

Chains	
4000	Set a post 3 ft. long 3 ins sq. with marked stone 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 S. on N. face dug pits - 18 x 18 x 12 ins N. and S. of post 5 1/2 ft. dist. - and raised a mound of earth - 1 1/2 ft. high 3 1/2 ft. base around post
7640	Cross dry wash Co. N. W. 10 links wide, and as end
8000	Set a post 4 ft. long 4 ins square with marked stone 12 ins in the ground for Cor. to Sec. 7, 12, 13 and 18 marked S. 18 N. S. 7 on N. C. R. 26, C. S. 18 on S. C., R. 25, C. S. 13 on S. W.

W. B. F. 15 N. R. 26 E

Chains and S. 12 on N.W. faces
with 4 notches on S. and
2 on N. edges 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
around posts.

Surface rolling
Soil 2nd. rate
Good grazing

North bet. Secs 7 and 12
Ta. 14° 8' E.

Ascend gradually
Set a spot 3 ft. long 3 ins
sq. with marked stone 12
ins. in the ground for
1/4 Sec. Cor marked 1/4 S.
on N. face dug pits 18 x 18 x 12

40.00

N. Q. F. 18 N. R. 26 E

Chains N. and S. of Cor. $5\frac{1}{2}$ ft. dist-
and raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
around post

8000

Set a post 4 ft. long 4 ins
sq. with marked stone 12
ins in the ground for to S 102
1. 6. 7. and 12 marked

T. 18 N. S. 6 on N. E.

R. 26 E. S. 7 on S. E.

R. 25 E. S. 12 on S. W. and

S. 1 on N. W. faces with
notches on S. and 1 on

N. edges; dug pits 18 x 18
x 12 ins in each S. $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth 2 ft. high $2\frac{1}{2}$ ft.
base, around post.

Surface rolling
Soil 2nd. rate

N. B. T. 18 N. R. 20 E.

Chains Good of ranging

North bet. Secs 1 and 6
Na. 14° 8' E.

Ascending

1100 Top of mesa bears N. E. and
S. W. and descend

4000 Set a post 3 ft. long 3 ins
square with marked stone
12 ins in the ground for
114 Sec. Cor marked 1/4 S.
on N. face dug pit 18 x 18
x 12 ins N. and S. of post
5 1/2 ft. dist. and raised a
mound of earth 1 1/2 ft. high
3 1/2 ft. base around post.

8000 Set a post 4 1/2 ft. long 4 ins.
sq. with marked stone
12 ins. in the ground
for. Cor to Tps 18 and 19 N.

M. B. T. 18 N. R. 26 E.

Chains R. 25 and 26 C. marked
 T. 19 M. Sec. 31 on M. B.
 R. 26 C. S. 1 on S. C.
 T. 18 M. S. 1 on S. W. and
 R. 25 C. S. 36 on N. W. faces
 with notches on each edge
 dug pits 24 x 18 x 12 ins on line
 N. S. C. and W. of post 5
 ft. dist. ^{lengthwise of line} and raised a
 mound of earth 2 1/2 ft. high
 5 ft. base around post
 surface rolling soil
 Soil 3rd rate

Good grazing

I carefully examined my solar
 Compass to-day particularly
 the latitude and leveling
 apparatus and found them
 correct Nov. 17, 1882

West Boundary T. 18 N. R. 27 E.
G. S. R. M.

Chains

From the Cor. to Tps. 17 and
18 N. R. 26 and 27 E. which
is a sandstone 12 x 6 ins
firmly set in the ground
with notches on each edge
and pits on line 6 ft. dist.
and mound of earth along side
I run North bet.

Secs 31 and 32

Na. $14^{\circ} 10' E.$

Ascending

4000

Set a post 3 ft. long 3 ins
square with marked stone
12 ins. in the ground for
1/4 Sec. Cor. marked 1/4 Sec.
N. face dug pits 18 x 18 x 12 ins
N. and S. of post 5 1/2 ft.
dist. and raised a mound
of earth 1 1/2 ft. high 3 1/2 ft.
base around post.

N. W. J. 18 N. R. 27 E.

Chains and ascend

46.30 Top. of ridge line, N. O. and S. W.
and descend

80.00 Set a post 4 ft. long 4 ins.
sq. with marked plane 12
ins. in the ground for Cor. 15
Sec. # 25, 30, 31 and 36
marked

J. 18 N. Sec. 30 on N. O.

R. 27 O. S. 31 on S. O.

R. 26 O. S. 36 on S. W. and

S. 25 on N. W. faces with
a notch on S. and 5" on N.

edges 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
around post

Surface rolling, mound various
Soil 3rd, rat -

N. B. T. 18 N. R. 27 E.

Chains Good grazing
Scrubby Cedar timber

North-ht. Sec. 20 and 30
Ta. 14° 0.

Descend

36.20 Low depression br. N. B. and
S. W. and ascend

40.00 Set a post 3 ft. long 3 ins. sq.
with marked stone 12 ins. in
the ground for 14 Sec. Cor.
marked 14 S. on N. face
dug pits - 18 x 18 x 12 ins. N.
and S. of post 5 1/2 ft.
dist. and raised a mound
of earth 1/2 ft. high 3 1/2
ft. base around post.
43.20 Ridge br. N. B. and S. W.
and descend

50.00 Gulch 10 links wide Co. S. W. ascend

N. 27 E. 18 N. R. 27 E.

Chains

7900

Top of Ridge bet. C. and W
and descend

8000

Set a post 4 ft. long 4 ins. sq.
with marked down 12 ins in
the ground for Cor. to Secs.
19, 24, 25, and 30 marked
T, 18 N. S. 19 on N. E.

R. 27 E. S. 30 on S. E.

R. 26 E. S. 25 on S. W. and

S. 24 on N. W. face, ^{2 1/2 on S. W. on R. 27 E.} with dug

pits 18x18x12 ins in each

Sec. 5 1/2 ft. dist. and raised a
mound of earth 2 ft. high & 1/2
ft. base around post

Surf all rolling

Soil 2nd rate

Good grazing

W. B. T. 18 A. Q. 27 E.

Chains North bet. Secs. 19 and 24
No. 14° E.

Descending

13.00
4.000
Cross gulch 5 links wide
Co. S.W. and ascend

Set a post 3 ft long 3 ins sq,
with marked stone 12 ins
in the ground for 1/4 Sec.
Cor marked 1/4 Sec N. face
dig pits 18x18x12 ins N. and S.
of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. base around post

57.60
63.40
Top of ridge bear N.W.
and S.E. and descend

Cross gulch 5 links wide
Co. S.W. and ascend.

80.00
Set a post 4 ft. long 4 ins
sq. with marked stone
12 ins in the ground for.

W. B. F. 18 N. R. 27 E.

Chains Cor. to Secs 13, 18, 19 and 24
marked
T. 18 N. S. 18 on N. E.
R. 27 E. S. 19 on S. E.
R. 26 E. S. 24 on S. W. and
S. 13 on N. W. ~~to~~ faces
with 3 notches on N. and
S. edges; dug pits 18x18x12 in
in each Sec. 5 1/2 ft. dist-
and raised a mound of earth
2 ft. high 4 1/2 ft. base around
post.

Surface rolling
Soil 3 rd. val.
Good grazing

North - bet. Secs. 13 and 18
N. 14° E

Ascend.

3765'

Top of ridge bet. N. E. and S. W.

M. O. T. 18 N. R. 27 E.

Chains and descend

4 000

Set a post 3 ft. long 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 Sec. Co. marked 1/4 S. on N. face dug pits 8 x 18 x 12 ins N. and S. of post 5 1/2 ft. dist. and raised a mound of earth 1/2 ft. high 3 1/2 ft. base around post. Gulch 10 links wide Course S. N. and ascend.

63.00

8 000

Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for Co. to Secs 7, 12, 13 and 18 marked T. 18 N. S. 7 on N. E. R. 27 E. S. 18 on S. E. R. 26 E. S. 13 on S. N. and S. 12 on N. N. faces with 4 notches on S. and 2 on N.

N. C. T. 18 N. R. 27 E.

Chains edges dug pits - 18x18x12 ins in each Sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $2\frac{1}{2}$ ft. base around post.

Surface rolling

Soil 2nd rate

Good grazing

North bet. Secs. 7 and 12

Va. 14° E

ascend.

22,50

Top of ridge to N. E and S. W. and descend

40,00

Set a post 3 ft. long 3 ins sq. with marked stone 12 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on N. face dug pits 18x18x12 ins N. and S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$

W. B. J. 18 N. R. 27 E.

Chain

10.00

8.00

ft. base around post,
 across gulch 10 links wide to
 N. and as usual

Set a post 4 ft. long 4 ins sq.
 with marked stone 12 ins in
 the ground for Co or to Sec
 16. 7 and 12 marked
 T. 18. N. S. on N.E

R. 27 E. S 7 on S.E.

R. 26 E S. 12 on S.W. and

S. 1 on N.W. face with 1 notch
 on N. and 6 on S. edges dug

pts 15-18 x 18 x 12 ins in each
 pit. 6 1/2 ft. dist. and raised

amount of earth 2 ft. high
 4 1/2 ft. base around post

Surface rolling

Soil 2nd rate

Good grazing

W. Q. T. 18 N. R. 27 E.

Chanis North 1/4 Sec. 1 and 6

Pa. 14° E

40.00

Set a post 3 ins. sq. 3 ft. long with marked stone 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face dug pits 18 x 18 x 12 ins N. and S. of post 5 1/2 ft. dist. and raised a mound of earth 1/2 ft. high 3 1/2 ft. face around post

80.00

Set a post 4 ft. long 4 ins sq. with marked stone 12 ins in the ground for Cor. 15 Tps. 18 and 19 N. Rs. 26 and 27 E. marked T. 19 N. S. 31 on N. E. R. 27 E. S. 6 on S. E. T. 18 N. S. 1 on S. W. R. 26 E. S. 36 on N. W. face

W. B. J. 18 N. R. 27 E.

Chains with 6 notches on each edge.
dug pits ^{lengthwise} 24 x 18 x 12 ins on line
N. S. E. and W. of post 6 ft.
dirt and raised a mound
of earth 2 1/2 ft. high 5 ft. base
around post.

Surface rolling
Soil 3rd. rate

Good grazing

November 18th, 1882

N. 31. 18. N. R. 26 E, G. S. R. M.

to Sp. 14 & 19 N, R. 26 & 27 E

Chains

From the Cor. just established
& run N. on a random line with
a bearing of $14^{\circ} 8' E$, setting traps 1/2
and Sec Cor. at every 40 and
80 chains and at 477.83 ^{chrs} intersect
Range line 84 links N. of Cor.
to Sp. 15 & 19 N, R. 25 & 26 E.
which is a post set firmly in
a mound of earth - marked

T. 19 N. S. 31 on N. E,
R. 26 E. S. 6 on S. E.

T. 18 N. S. 1 on S. W, and
R. 25 E. S. 36 on N. W face, with
^{46 notches on each edge.}
pits on line N. S. E. and W. of
post 6 ft. dist. Thence I run
N. $89^{\circ} 54' E$, on a true line
bet. Secs. 6 and 31

Bearing $14^{\circ} 10' E$

descend

5000

Low depression bet. N. W,
and S. E; and ascend.

N. B. T. 15 N. R. 26 E.

Chains

37.83

Set a sandstone $24 \times 12 \times 6$ ins
 18 ins in the ground for
 1/4 Sec. Cor. marked 1/4
 on N. face. dug pits $18 \times 18 \times 12$
 ins E. and W. of stone $5\frac{1}{2}$
 ft. dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base along side

57.00

Top of ridge bears N. E
 and S. W. and descend.

77.83

Set a sandstone $12 \times 12 \times 8$ ins
 8 ins in the ground for Cor.
 to Secs. 5, 6, 31 and 32 marked
 with 1 notch on N. and 5 on
 N. E edges dug pits $18 \times 18 \times 12$
 ins in each Sec. $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth 2 ft high $4\frac{1}{2}$ ft.
 base along side,

N^o 18 N. R. 26 E.

Chains Surface rolling
Soil 3rd rate
Good grazing

N. 89° 54' E on a true
line bet. Secs. 5 and 32
Va., 14° 8' E.

- 40.00 Set a sandstone 18x12x9 ins
12 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 along side
- 72.20 Dry wash 10 huts wide
Co. S. W. and ascend
- 75.00 Top of spur bears N. and
S. and descend
- 80.00 Set a sandstone 14x12x9 ins

N. O. T. 18 N. R. 20 O.

ains

9 ins in the ground for Cor.
 to Secs. 4, 5-32 and 33 marked
 with 2 notches on N. and 4 on
 E. ed ges. dug pit 18 x 18 x 12 ins
 in rock Sec. 5 1/2 ft. dia. and
 raised a mound of soil
 along side. Pits impracticable.
 Surface rolling
 Soil 2nd. rabbit
 Good of raining

N. 89° 54' E. on a true
 line bet Secs. 4 and 33
 Var. 14° 8' E.

30

1000

Dry wash 5 links wide
 to N. W. and ascend
 Set a sandstone 14 x 12 x 10
 ins 9 ins in the ground
 for 1/4 Sec Cor. marked
 1/4 on N. face dug

N. B. T. 18 N. R. 20 E.

- Chains 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
and ascend gradually
- 51.00 Top of ridge to N. E. and
S. W. and descend
- 75.00 Cross gulch 5 links wide
to S. W. and ascend,
- 80.00 Set a post 4 ft. long 4 ins.
sq. with marked stone
12 ins. in the ground for.
Cor. to Sec. 34. 33 and 34
marked. T. 19 N. S. 34 on N. E.,
R. 26 E. S. 30 on S. E.,
T. 18 N. S. 4 on S. W. and
with 3 notches on 3 wedges
S. 33 on N. W. faul with
dug pits 18x18x12 ins. in
each Sec. 5 1/2 ft. dist. and
raised a mound of

N. B. J. 18 N. R. 20 C.

hams earth - 2 ft 7, high 4 1/2 ft.
base around post.
Surface rolling
Soil 2nd rate
Good grazing

N. 89° 54' E on a true
line bet. Secs 3 and 34
Na 14' 8" E.

0.00

Set a post 3 ft. long
3 ins. sq. with marked
stone 12 ins in the ground
for 1/4 Sec. Cor. marked 1/4
S. on N. face dug pits -
18 x 18 x 12 ins E and W. of
post 5 1/2 ft. dist. and
raised a mound of earth -
1 1/2 ft. high 3 1/2 ft.
base along rd -
and around gradually

N. B., T. 18 N. R. 26 E

Chains

80.00

Set a post - 4 ft. long 4 ins sq.
with marked stone 12 ins
in the ground for Cor.
to Secs. 2, 3, 34 and 35 marked
T. 19 N. S. 35 on N.E.
R. 26 E. S. 2 on S.E.
T. 18 N. S. 30 on S.W. and
S. 34 on N.W. with
2 notches on E. and 4 on
W. edges dug pits - 18x18x18
ins. in each Sec. 5 1/2 ft.
dial and and raised a
mound of earth 2 ft. high
4 1/2 ft. base along side
Surface rolling
Set 2nd. rail
Good grazing.

N. O. T. 15 N, P. 26 C.

Chains North $89^{\circ}54'E$, on a true
line bet. Secs. 2 and 36 -
Na. $14^{\circ}8'E$.

Ascending gradually.

27.00 Top of 8 spur to. $\frac{1}{4}NE$,
land S. W. and descend
40.00 Set a post 3 ft. long 3 ins
sq. with marked stone
12 ins. in the ground for
1/4 Sec. Cor. marked 1/4 S.
on N. face dug pit 15
18x18x12 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. base
along rd

80.00 Set a post 4 ft. long 4 ins.
sq. with marked stone 12
ins. in the ground for
Cor. to Secs. 1, 2, 36 and 36

N. B. T. 18 N. R. 26 E

Chains marked

T. 19 N. S. 30 on N. E.
 R. 26 E. S. 1 on S. E.
 T. 18 N. S. 2 on S. W. and
 S. 35 on N. W. faces, with
 1 notch on E. and 5 on W.
 edges dug pits 18x18x12 ins.
 in each S. E. 5 1/2 ft. dist,
 and raised a mound of earth
 2 ft. high 4 1/2 ft. base
 around post
 Surface rolling
 Soil and rock
Good grazing

North 89° 54' E, on a true
 line bet. Secs. 1 and 36
 Na. 14° 8' E

Asend

12.00

Top of ridge to N. E. and

N. Co. J. 18 N. R. 26 C.

chain

000

S. N. and descend
 Set a post 3 ft. long 3 ins.
 sq. with marked down
 12 ins. in the ground
 for 1/4 Sec. Cor. I marked
 1/4 S. on N. face dug
 pits - 18 x 18 x 12 ins E. and
 W. of post 5 1/2 ft. dist.
 and raised a mound of
 earth 1/2 ft. high 3 1/2 ft.
 bare around post.

8000

I intersect Cor. from which
 I started

Nov, 18th 1882

N. C. T. 18 N. R. 25-E.

chain

8.00

Set a sandstone 15x12x9 ins. 10 ins.
in the ground for $\frac{1}{4}$ S. Cor.
marked $\frac{1}{4}$ on N. face dug
pits 18x18x12 ins E. and W.
of stone $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side

8.00

Set a post 4 ft. long 4 ins.
sq. with marked stone
12 ins in the ground
for Cor. to Secs 5, 6, 31 and
32 marked

T. 19 N. S. 32 on N.E.

R. 25-E. S 5 on S.E.

T. 18 N. S. 6 on S.W. and

S. 31 on N.W. faces with 1 notch

W. 5 on E. edge dug pits 18x18x12 ins. in each

Sec. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft. high

N. B. T. 18 N. R. 25 E.

Ch Chains 4 1/2 ft. base around post.
 Surface rolling
 Soil 2nd. rate of
Good grazing

S. 89° 52' E. on a true line
 bit. Secs. 5 and 32
 Na. 14° 10' E.

S. 40.00

Ascend gradually
 Set a piece of petrified
 wood 13x12x6 ins 8 ins in the
 ground for 1/4 Sec. 6
 marked 1/4 on N. face du
 pits 18x18x12 ins E. and
 of petrified wood 5 1/2 ft dia
 and raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. base elonged

80.00

Set a post 4 ft. long 4 ins. sq.
 with marked stone 12 ins
 in the ground for Cor. to

N. B. T. 18 N. R. 25 E.
 J. S. Q. M.

Chains Secs. 4, 5, 32 and 33 marked
 T. 19 N. S. 33 on N. E.
 R. 25 E. S. 4. on S. E.
 T. 18 N. S. 5 on S. W. and
 R. S. 32 on N. W. face with
 2 notches on W. and 4 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 along ridge
 Surface rolling
 Soil 3rd. rate
 Good grazing

S. 89° 52' E. on a true line
 bet. Secs. 4 and 33

N. a 14° 10' E.

Ascend gradually
 Set a sandstone 10x11x4 ins.
 11 ins in the ground

N. B. T. 18 N. R. 25 E

Chains

for 1/4 Sec. Cor. marked 1/4
on N. face dug pits - 18 x 18
x 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 along side
Top of ridge br. N. E and
S. W. and descend

51.00

72.90

Cross dry wash 10 links
wide Co. N. W. and ascend

80.00

Set a post 4 ft. long 4 ins
sq. with 9 notched stone
12 ins in the ground
for Cor. to Sec. 3, 4. 33 and
34 marked

T. 19 N. S. 34 on N. E.
R. 25 E. S. 3 on S. E.

T. 18 N. S. 4 on S. W. and
S. 33 on N. W. face with
3 notches on E. and W. edges

N. B. T. 18 N. R. 25 E.

Chains dug pits 18x18x12 ins. in each
 Sect 1 5½ ft. dist. and raised a
 mound of earth 2 ft. high
 4½ ft. base around post.
 Surface rolling
 Soil 3rd. rate
 Good grazing

S. 89° 52' E on a true line
 bet. Secs. 3 and 34
 Va. 14° 10' E.

Ascend gradually

40.00 A Rock 48x48x36 ins. above
 ground, which I marked 1/4
 on N. face for 1/4 Sec. Cor.
 and with a Cross^(x) at exact
 Cor. point and raised a
 mound of stone along side
 42.50 Top of spur bet. N. and S
 and descend

N. B. T. 18 N. R. 20 E.

Chains

- 47.20 Cross dry wash 15 links wide
Co. N. and ascend gradually
- 80.00 Set a post 4 ft. long 4 ins
sq. with marked stone
12 ins. in the ground for
Cor. to Sec. 5. 34 and 35 marked
T. 19 N. S. 35 on N. E.
R. 20 E. S. 2 on S. E.
T. 18 N. S. 3 on S. W. and
S. 34 on N. W. face, with
4 notches on W. and 2 on E.
edges. 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
around post.
Surface rolling mesa
Soil 3rd. rate
Good grazing

N. Q. T. 18 N. R 25 E.

- Chains S. 89° 52' E. on a true line
bet. Secs. 2 and 35
Var. 14° 10' E.
ascend gradually
- 4000 Set a post 3 ft. long 3 ins.
sq. with marked stone
12 ins in the ground for
1/4 S. cor. marked 1/4 S.
on N. face dug pits 18 x 18 x 12
ins E. and W. of post
5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft.
high 3 1/2 ft. base around post
- 7140 Top of Spur bears N. and
S. and descend
- 8000 Set a post 4 ft. long 4 ins.
sq. with marked stone
12 ins in the ground
for W. cor. to Secs. 1, 2, 35
and 36 marked

N. B. T. 18 N, R. 25 E

Chains

T. 19 N. S 36 on N. E
 R 25 E. S 1 on S. E.
 T. 18 ~~N~~ S. 2 on S. W. and
 S. 35 on N. W. face with
 1 notch on E. and 5 on N.
 edges dug pits 18x18x12 ins.
 in each Sec. 6 1/2 ft. dist; and
 raised a mound of earth
 2 ft. high 4 1/2 ft. base
 around first.

Surface rolling
 Sub 3rd. rate

Good grazing

S. 89° 52' E, on a true
 line bet; Secs. 1 and 30

Var. 14° 10' E

descend gradually

Set a post 3 ft. long
 3 ins. sq. with

N. B. T. 15 N. R. 25th E.

Chains marked stone 12 ins in
the ground for $1/4$ Sec.
Corners marked $1/4$ S. on N.
face; dug pits $18 \times 18 \times 12$ ins
in 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. base
around post.

8000 Cor. to Tps. 18 and 19 N.
Rs. 25 and 26 E. from
which I started

I carefully examined my
Compass to-day particularly
the latitude and reversing
after a run and found it
correct

November 20th 1852

M. B. T. 19 N. R. 26 E. J. S. R. M.

Chains From the Cor. to Twp. 18 and 19. N. R. 25 and 26 E, which is a post 4 ins. sq. marked T. 19 N. S. 31 on N.E. R. 26 E S. 6 on S.E. T. 18 N. S. 1 on S. & W R. 25 E S. 36 on N.W. with notches on each edge and fits on line 6 ft. dist. and mound of earth - around post. Then I run North bet: S. 31 and 30, Na. 14° 10' E

4000

Descend gradually
 Set a sandstone 12 x 10 x 8 ins. 8 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raised a mound of stone along side Post - impracticable.

M. B. J. 19 N. R. 26 O.

Chains

- 4660 Cross dry wash Co. W.
60-huts wide, and ascend
- 7890 Road to Navajoe for
N.E. and S.W.
- 8000 Set a sandstone 18x14x6 ins
12 ins in the ground
for Cor. to Sec. 25, 30, 31
and 36 marked with 1 notch
on S. and 5 on N. edges
dug pits - 18x18x12 ins. in
each Sec. 5 1/2 ft. dirt and
raised a mound of earth
2 ft. high 4 1/2 ft. base
along side
Surface rolling
Soil 3rd rate
Good grazing

M. B. T. & A. R. 26 E.

Chains North lot, Secs, 25 and 30
Na, 14° 10' E.

Ascend gradually

40.00

Set a sandstone 14 x 10 x 9
ins 9 ins in the ground
for 1/4 Sec. Cor. marked
1/4 S on N. face dug pits
18 x 18 x 12 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 along side

46.00

Top of spur bears N. and S.
and descend gradually

50.00

Set a sandstone 14 x 14 x 6
ins 9 ins in the ground
for Cor. to Sec. 19, 24, 25 and 30
marked with 2 notches on S

and 4 on N. edge and raised
a mound of stone covered with
earth along side.

M. B. F. 19 N. R. 26 E.

Chains Surface rolling
Soil 3rd rate
Good grazing

North bet. Secs 19 and 24
Na. 14° 10' E

Descend gradually

40.00 Sit a sandstone 10 x 10 x 9 ins
7 ins. in the ground for
1/4 Sec. Cor. marked 14 on
N. face and raised a
mound of stone along side
covered with earth

45.40 Cross dry wash 5 bulks
wide Co N.W. and ascend

80.00 Sit a sandstone 14 x 12 x 8
ins 9 ins in the ground
for Cor. to Secs 13, 18,
19 and 24 marked
with 3 notches on N.

N. B. T. 19 N. R. 20 B.

Chairs and Sedges and raised
a mound of stone
alongside covered with earth.
Surface rolling mesa
Soil 2nd rate
Good grazing

North bl; Sides 13 and 18
Va. $14^{\circ}10'E$

Ascend gradually

40,00

Set a sunstone $12 \times 12 \times 6$
in 8 ins. in the ground
for 14 Sec. Cor. marked
1/4 on N. face dug pits
 $18 \times 18 \times 12$ ins N. and S.
of stone $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side.

M. B. J. 19 N. P. 200.

Chains

- 42.00 Top of spur bet. N. W. and S. E. and descend
- 48.50 Cross dry wash Co. S. E. 5-hutes wide and ascend
- 80.00 Set a sandstone 12 x 11 x 7 ins. 8 ins in the ground for Cor. to Secs 7, 12, 13 and 18 marked with 4 notches on S and 2 on N. edges dug pits - 18 x 8 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 around surface rolling mesa Soil 2nd. rate
good grazing

North - bet. Secs 7 and 12
 Va. 14 10 E

N. B. T. 19-A. R. 26 B

- Chains Ascending
- 16.00 Top of spur bears N. E. and S. W. and descend
- 27.50 Dry wash 5 links wide Co. S. W. and ascend
- 36.00 Top of spur bears N. E. and S. W. and descend
- 40.00 Set a sandstone 16x14x8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raised a mound of stone along side covered with earth.
- 62.00 Cross dry wash 5 links wide Co. N. and ascend
- 70.00 Top of spur bears E. and N. and descend
- 80.00 Set a sandstone 14x12x7 ins. 9 ins. in the ground for Cor. to S. sec. 1, 6, 7 and 12

W. B. T. 19 N. R. 26 E.

Chains marked with 5 notches on
S. and 1 on N. edges and
raised a mound of stone
alongside covered with earth.

Surface rolling mesa
Soil 2nd. rate

Good grazing

North bet. Secs. 1 and 4

N. $14^{\circ} 10' E.$

Descending gradually

4000

Set a sandstone $12 \times 10 \times 10$
ins. 8 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. N. and S.
of stone $5\frac{1}{2}$ ft. dist and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
alongside

N. Q. T. 19 N. Q. 25 C.

Chains

38.95 Set a post 3 ft. long 4 ins. sq. with a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face dug pits 18 x 18 x 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. base around post.

55.00 Cross dry wash 10 lines wide of C. S. W.

78.95 Set a ^{post} 4 ft. long 5 ins sq. with marked stone 12 ins in the ground for Cor. to Secs. 26, 31 and 32 marked T. 20 N. S. 32 on N. E. R. 25 E. S. 5 on S. E.

N. B. J. 19 N. R. 25-B

Chains

J. 19 N. S. 60 on S. W. and
 S. 31 on N. W. with 1 notch
 on N. and 5 on E. edges
 dug pits - $8 \times 8 \times 12$ ins. in
 each Sec. $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth
 $2\frac{1}{2}$ ft. high $2\frac{1}{2}$ ft. base
 around post

Surface rolling
 Soil 3rd. rate

Good grazing

S. $89^{\circ}46'$ E. on a true
 line bet. Secs. 5 and 32
 Na. $14^{\circ}15'$ E.

Ascend

9.40 Top of ridge bears N.
 and S. and descend

24.00 House bears N. $57^{\circ}5'$ E.
 35.10 Chains dist.

N. B. T. 19 N. R. 25-8

Chains

40.00

Set a post 8 ft. long 3 ins. sq. with marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face dug pits - 18x18x12 ins E. and N. 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. base around post.

40.56

Cross dry wash Co. S. N. 40 links wide and ascend

80.00

Set a sandstone 15x10x6 ins. 10 ins in the ground for Cor. to Secs. 4, 5, 32 and 33 marked with 2 notches on N. and 4 on E. edges dug pits 18x18x12 ins in each Sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft.

N. C. T. 19 N. R. 25 E.

Chains base alongside
 Surface rolling mesa
 Soil 2nd rate
 Good grazing

S. $89^{\circ}46'E$ on a true line
 bet. Secs. 4 and 33

N. $14^{\circ}15'E$

Ascending gradually

40.00 Set a sandstone $15 \times 11 \times 6$ ins
 10 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 N. of stone $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.

base alongside.

80.00 Set a sandstone $15 \times 10 \times 4$ ins
 10 ins. 2 in. in the ground
 for Cor. to Secs.

N. B. T. 19 N. R. 25 E.

Chains 34, 33, and 34 marked with
3 notches on E. and W.
Edges dug pits 18x18
x12 ins. in each Sec.
5½ ft. dist. and raised a
mound of earth 2ft. high
4½ ft. base along side
Surface rolling
Soil 3rd. rate
Good grazing

S. 89° 46' E. on a true line
bet. Sec. 3 and 34
Na. 14° 15' E

Ascend

2700 Top of ridge bears N. and
S. and descend

4000 Set a sandstone 13x12x10 ins
8 ins. in the ground for ¼
Sec. Cor. marked ¼ on

A. B. F. 19 A. R. 20 E.

Chains 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
along side

65.00 Enter Rio Puerco valley near
N.E. and S.W.

80.00 Set a post 4 ft. long 4 ins.
square with marked
stone 12 ins. in the ground
for Cor to Secs. 2, 3, 34
and 35 marked
T. 20 N. S. 35 on N.E.
R. 20-E. S. 2 on S.E.
T. 19 N. S. 3 on S.W. and
S. 34 on N.W. face with
4 notches on W. and 2 on E.
edges; dug pits 18x18x12
ins. in each Sec. 5 1/2
ft. dist. and raised

288

N. B. F. 19 N. R. 25 C.

Chains a mound of earth 2 ft.
 high 4 1/2 ft. base around post
 Surface rolling mesa
 Soil 3 rd. rate
 Good grazing

S. 89° 46' E. on a true line
 bet. Secs 2 and 35
 N. 14° 15' E.

Descending gradually
 Set a sandstone 10 x 10 x
 5 ins. 11 ins. in the ground
 for 1/4 Sec. 2 or marked
 1/4 on N. face dug pits
 18 x 18 x 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 along side

40.00

80.00

Set a sandstone 18 x 10 x 7 ins
 12 ins. in the ground

N. B. T. 19 N. R. 20 E.

chains for Cor. 15 Sec. 12, 35 and 34
 marked with - 5 notches on
 N. and 1 on E. edges 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 along side
 Surface rolling mesa
 Soil 3rd. rate
 Good grazing

S 89° 46' E, on a true line
 bet. S. Sec. 1 and 34
 N. 14° 15' E.

Descending

40.00

Set a post 3 ft. long 6 ins. sq.
 with marked stone 12 ins.
 in the ground for 1/4 Sec.
 Cor. marked 1/4 S. on N. face
 dug pits 18 x 18 x 12 ins. in

N. B. F. 19 N. R. 25-E

J. S. Q. M.

Chairs 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. base around post.

77.82 Telegraph line to N. 59° E.
 78.00 Wagon road to N. 59° E.
 78.75 A. and S. R. R. to N. 59° E.
 80.00 The Cor. to Tps. 19 and 20
 N. Rs. 25 and 26 E. from which
 I started

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

Nov. 21st. 1882

For final oaths see Book XVIII

