


"D." 

*Subdivisions
of
T. 28, N., R. 5, E.
by
Lewis Wolfley*

No. 562 BOOK 562

4-671

FIELD NOTES
GENERAL LAND OFFICE.

562

Field Notes
of the survey of the
Subdivisional Lines
of
T. 28, N., R. 5, E.
of the
Gila and Salt River Mer.
Arizona.
as surveyed by
Lewis Stelfley,
U. S. Geol. Surv.
under his
Contract No. 72.
dated June 13th 1900.

Survey commenced Sept 9, 1900.
Survey completed Sept. 18, 1900.

1A

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(4-674.)

Township 28 North, R. 5 East.

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BOOK 562

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Subdivisions. T. 28 N., R. 5, E.

1B

Sept. 9th - at 7 A.M. l.m.t. Day off
 $35^{\circ}44'09.2''$ N. on lat. arc and $5^{\circ}23'$
 N on decl. arc and determine the
 true meridian with the solar at
 the cor. to secs. 1, 2, 35 and 36.

Ths. 27 and 28 N., R. 5, E.

Thence I run

$N0^{\circ}01'$ N. bet. secs. 35 and 36

Level - Open park.

- 5.00 Ascend gradually.
- 8.00 Enter dense cedar and pinon.
- 40.00 Set a pinon post 3 ft. long, 3 ins.
 sq. 24 ins. in ground for $\frac{1}{4}$ sec.
 cor. bet. secs 35 and 36, marked
 $\frac{1}{4}$ S. 35, on N. face and Q. 36
 on E. face, from which
 A pinon 10 ins. in diam. Crs.
 $N22^{\circ}30'$ N. 19 lbs. dist. marked
 $\frac{1}{4}$ Q. 35; B.T.,
 A cedar 7 ins. in diam. Crs. $N19^{\circ}15'$ E.

Subdivisions T. 28, N., R. 5, E.
Chs.

22 lbs. dist. marked $\frac{1}{4}$ S. 36, B. T.
Level.

53.00 Scattering cedar and pinon.

71.00 Dense cedar and pinon.

80.00 Set a limestone 24 x 10 x 6 ins.

$\frac{3}{4}$ in ground for cor. of secs.

25, 26, 35 and 36 marked with

1 groove on S. and 1 on E. edge

from which, a pinon 8 ins.

in diam. Crs. N. $56^{\circ}30'$ E. 284 lbs.

dist. marked T. 28, N., R. 5, E.

S. 25, B. T.

A cedar 8 ins. in diam. Crs. N. 38°

N. 153 lbs. dist. marked T. 28,

N., R. 5, E. S. 26, B. T.

A cedar 10 ins. in diam. Crs. S.

37° N. 71 lbs. dist. marked

T. 28, N., R. 5, E. S. 35, B. T.

A pinon 10 ins. in diam. Crs. S.

23° E. 170 lbs. dist. marked:

Subdivisions T. 28 N., R. 5 E.

cho.

T. 28 N., R. 5 E. S. 36, B. T.

Soil 4th rate.

Formation volcanic lime.

Character mountainous

26.00 Open ground.

61.19 Chs. Heavy timber - dense brush.

87.19 Chs. Mountainous in character.

————— " —————

S. 89° 59' E. on a random line

bet. secs. 25 and 36.

40.00 Det. a temporary $\frac{1}{4}$ sec. cor.

30.00 Intersect E. bdy. 7 lks. S. of cor.

to secs. 25, 30, 31 and 36.

Thence I run

S. 89° 56' 0" on a true line bet.

secs. 25 and 36.

Some cedar and piñon.

Nearly level - Rocky.

10.00 Descend rapidly.

13.46 Cross road bet. N. Wth and S. Eth and

Subdivisions T. 28 N., R. 5 E.
Chs.

Ascend gradually.

40.00 Set a pin on post 3 ft. long
3 ins. sq. 24 ins. in ground for
 $\frac{1}{4}$ sec. cor. bet. secs. 25 and 36
marked $\frac{1}{4}$ S. 25, on N. face, S. 36
on S. face; from which a
pinon 12 ins. in diam. Crs. N
25° E. 31 lks. dist. marked $\frac{1}{4}$
S. 25, B. T. A pinon 8 ins. in
diam. Crs. S. 52° W. 25 lks. dist.
marked $\frac{1}{4}$ S. 36, B. T.

Ascend gradually.

57.00 Nearly level - slightly rolling.

80.00 The cor. to secs. 25, 26, 35 and 36.

Soil 4th rate - Rocky.

Formation volcanic lime.

Character maintain cur

80.56 chs. Heavy timber, dense brush

80.56 chs. Maintain cur in
character.

Subdivisions T. 28, N., R. 5, E.
Chs.

No. 01 N. bet. secs. 25 and 26.

Dense cedar and pinon.

Ascend gradually - Rocky.

33.00 Descend gradually.

37.00 Cross trail bet. N. E and Q. St-^{ly}

40.00 Set a pinon post 3 ft. long, 3 ins
sq. 24 ins. in ground for $\frac{1}{4}$ sec.

cor. bet. secs. 25 and 26 marked
 $\frac{1}{4}$ S. 26 on N. face, S. 25, on E.
face, from which.

A pinon 8 ins. in diam. bet. S. 20°
45' E 78 lks. dist. marked $\frac{1}{4}$ S.
25 - B. T.

A cedar 10 ins. in diam. bet.
N. 73° N. 96 lks. dist. marked
 $\frac{1}{4}$ S. 26 B. T.

Level - Enter open park.

45.00 Dense cedar and pinon.

66.00 Cross wash course P. E. and
ascend gradually.

Subdivisions T. 28, N., R. 5, E.
Chs.

68.20 Cross road bet. N. H and D. E^{ly}

70.00 Ascend rapidly over Lime ledge.

80.00 Set a limestone 17 X 14 X 6 ins.

$\frac{2}{3}$ in ground for cor. to secs.

23, 24, 25 and 26, marked

with 2 notches on S. on 1

notch on E. edges. from which

A pinon 10 ins. in diam. bet. D.

8° 45' N. 31 lbs. dist. marked

T. 28, N., R. 5, E. D. 26, B. T.

A pinon 7 ins. in diam. bet.

N 37° 30' N. 30 lbs. dist. marked.

T. 28, N., R. 5, E. S. 23, B. T.

A pinon 8 ins. in diam. bet.

N 57° 45' E. 32 lbs. dist. mark.

ed T. 28, N., R. 5, E. S. 24, B. T.

A pinon 9 ins. in diam. bet.

S. 37° 30' E. 33 lbs. dist. mark.

ed T. 28, N., R. 5, E. S. 25, B. T.

Soil rocky and worthless

Subdivisions T. 28 N., R. 5, E.

chs.

Formation volcanic line.

Character mountainous

78.00 chs Heavy timber - dense brush.

83.00 chs, mountainous in character.

5.00 chs. Open ground.

1189°56' E. on a random line
bet. secs. 24 and 25.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect E. bdy. of T. 14. Sec. N.
of cor. to secs. 19, 24, 25 and 30.

Thence I run

1189°58' on a true line bet.
secs. 24 and 25.

Level.

Dense cedar and fir.

39.98 Set a limestone 24x14x6 ins.

$\frac{3}{4}$ in ground for $\frac{1}{4}$ sec. cor.

bet. secs. 24 and 25 - marked

$\frac{1}{4}$ P. on N. face, from which

Subdivisions T. 28 N., R. 5, E.
Chs.

A pinon 8 ins. in diam. bro.
N. 42° 15' W. 89 lks. dist. marked
1/4 P. 24, B.T., A pinon 8 ins. in
diam. bro. P. 73° W. 57 lks. dist.
marked 1/4 P. 25, B.T. - Level.

- 76.00 Descend rapidly. - Rocky.
79.96 The cor. of secs. 23, 24, 25 and 26
Dial 3rd rate.

Formation volcanic tuff.

Character mountainous.

81.42 Chs. Heavy timber - dense cedar.

81.42 Chs. Mountainous in character

N. 0° 01' W. bet. secs. 23 and 24

Ascend gradually - Rocky.

Dense cedar and pinon.

20.00 Cross road and wash bro. P. E. -

25.00 Cross same wash course P. W. -

26.00 and ascend rapidly.
cross wash, course South westerly, ascend rapidly.

28.00 Ascend rapidly - Rocky

Subdivisions T. 28 N., R. 5 E.
chs.

40.00 Cross (X) on limestone in place
for $\frac{1}{4}$ sec. cor. bet. secs. 23 and 24
marked $\frac{1}{4}$ P. on stone, from which,
A cedar 8 ins in diam. br. N 81° 45' E
28 lks. dist. marked $\frac{1}{4}$ P. 24, B. T.
A pin on 10 ins. in diam. br. S. 46° St.
25 lks. dist. marked $\frac{1}{4}$ P. 23, B. T.

Along line ledge.

46.00 Cross brush fence br. N end ~~P~~^{lay}
and dry tank 3 chs. wide.

73.00 Cross wash br. P^{ly} and along
line ledge.

80.00 Set a pin on post 3 ft. long, 4 ins.
sq. 24 ins. in ground for cor. of
secs. 13, 14, 23 and 24, marked T.
28, N., P. 13 on N. E.

R. 5, E. P. 24 on P. E.

P. 23 on P. St. and

Sec. 14 on N. St. faces with 3
notches on P and 1 notch on E

Subdivisions T. 28 N., R. 5 E.
Chs.

edges; from which

A pinion 8 ins. in diam. Crs. S. 67° 20' Pt. 43 lks. dist. marked
T. 28 N., R. 5 E., P. 23, B. T.

A pinion 10 ins. in diam. Crs. S. 11° 15' E. 60 lks. dist. marked T. 28 N. R. 5 E. S. 24, B. T.

A pinion 12 ins. in diam Crs. N. 58° E. 111 lks. dist. marked.
T. 28 N., R. 5 E., P. 13, B. T.

A pinion 8 ins. in diam. Crs. N. 8° 30' Pt. 21 lks. dist. marked
T. 28 N., R. 5 E., S. 14, B. T.

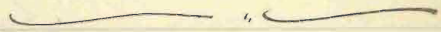
Sec 4 th rate.

Formation volcanic lime

Character mountainous.

82.91 Chs. Heavy timber - dense brush.

82.91 Chs. Mountainous in Character.



Subdivisions T 28 N, R. 5 E.

Chs.

2.89°58' E. on a random line

Cct. secs. 13 and 24.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.80.00 Intersect E. bdy. 2 lks. N of
cor. to secs. 13, 18, 19 and 24

Thence I run

N 89°57' (St. on a true line Cct.
secs. 13 and 24.

Level. Rocky.

Dense cedar and pines.

10.00 Ascend gradually.

13.00 Rolling ground. Rocky.

40.00 Set a pines post 3 ft. long. 3 ins.

sq. 24 ins. in ground for $\frac{1}{4}$ sec.
cor. Cct. secs. 13 and 24 marked $\frac{1}{4}$ P. 13 on N face. and P. 24 on
S face, from which. A pines8 ins. in diam. brs. N. 41°30' (St.
30 lks. dist. marked $\frac{1}{4}$ P. 13, B. T.

A pines 8 ins. in diam. brs. P. 21° E.

Subdivisions
chs.

T. 28 N., R. 5 E.

40 lbs. dist. marked $\frac{1}{4}$ P. 24
B. T. Ascend gradually - Rocky.
80.00 The cor. of secs. 13, 14, 23rd and 24.

Soil rocky and worthless.

Formation volcanic lime.

Character mountainous.

80.70 chs. Heavy timber - dense brush

80.70 chs. Mountainous in character.

Sept. 10, at 10 A.M. l.m.t. I lay off
 $35^{\circ}46'46.1''$ N. on lat. arc. and 5°
 $01'$ N. on decl. arc. and deter-
mine the true meridian
with the solar at the cor. of
secs. 13, 14, 23 and 24.

Thence I run

$70^{\circ}01'$ N. bet. secs. 13 and 14.

Ascend gradually - Rocky.

Some cedar and juniper.

19.50 Along W^{ly} Rocky lime slope

Subdivisions T. 28 N., R. 5 - E.

Chs.

40.00 Set a pin on post 3 ft. long, 3 ins. sq. 24 ins. in ground for $\frac{1}{4}$ sec. cor. bet. secs. 13 and 14, marked $\frac{1}{4}$ S. 14 on N. face and P. 13 on E. face, from which a pin on 8 ins. in diam. br. P. 20° 45' N. 14 lks. dist. marked $\frac{1}{4}$ P. 14, B. T. A pin on 12 ins. in diam. br. P. 24° E. 30 lks. dist. marked $\frac{1}{4}$ P. 13, B. T.

44.00 Leave rocky slope and enter open park.

67.80 Cross road brs. N and P -^{ly}

71.50 Enter dense timber, cedar, fir, pine partly fire swept.

80.00 Set a pin on post 3 ft. long, 4 ins. sq. 24 ins. in ground for cor. of secs. 11, 12, 13 and 14 marked, T. 28 N., P. 12 on N. E., R. 5, E. P. 13 on P. E. P. 14 on P. N. and P. 11 on N. W. faces

Subdivisions T. 28 N., R. 5, E.
Chs.

with 4 notches on ρ and 1 on
E. edge; from which.

A pine 16 ins. in diam. Crs. N. 34°
 $45'$ W. 113 lbs. dist. marked T. 28 N.,
R. 5, E. ρ . 11, B.T., A pine 20 ins.
in diam. Crs. N. $7^{\circ}30'$ E. 305 lbs.

dist. marked T. 28 N., R. 5, E. ρ . 12, B.T.

A cedar 7 ins. in diam. Crs. ρ . $19^{\circ}30'$

W. 139 lbs. dist. marked T. 28 N., R.

5, E. ρ . 14, B.T., A pine 6 ins. in

diam. Crs. ρ . $21^{\circ}30'$ E. 144 lbs. dist.

marked T. 28 N., R. 5, E. ρ . 13, B.T.

Soil 4th rate.

Formation volcanic lime.

Character, mountainous.

27.50 Chs. open ground.

59.95 Chs. heavy timber - dense brush.

87.45 Chs. Mountainous in character.

Subdivisions T. 28 N., R. 5 E.
Chs.

Q. $89^{\circ}57' E.$ on a random line
bet. secs. 12 and 13.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect E. Edy. 14 lks. S of cor.
to secs. 7, 12, 13 and 18.

Thence From

Q. $89^{\circ}57' N.$ on a true line bet.
secs. 12 and 13.

Descend gradually - Rocky.

Dense cedar and pines.

30.00 Enter fire swept dense cedar
and pinon standing and
fallen and scattering live pines.

40.00 Set a limestone $18 \times 14 \times 6$ ins.
 $\frac{2}{3}$ in ground for $\frac{1}{4}$ sec. cor.
bet. secs. 12 and 13 marked $\frac{1}{4}$ P.
on N face; from which.

A pine 18 ins. in diam. Crs.

Q. $34^{\circ} E.$ 46 lks. dist. marked
 $\frac{1}{4}$ P. 13, B.T.

Subdivisions T. 28 N., R. 5 E.
Chs.

- A pin on 10 ins. in diam. Cro. N
41° 30' N. 11 lks. dist. marked
¼ P. 12, B.T. Road just N. of
cor, and descend gradually.
- 50.00 Cross road Cro. N.E. and P.W.^{ly}
- 51.00 Enter open park.
- 63.00 Enter dense cedar and pinon
- 73.00 Dense fire swept cedar and
pinon, and ascend gradually.
Rocky.
- 80.00 The cor. to secs. 11, 12, 13 and 14.
Soil 4th rate.
Formation volcanic lime.
Character mountainous.
- 12.00 Chs. open ground.
- 68.57 Chs. heavy timber - dense brush.
- 80.57 Chs. mountainous in character

No. 01' N. Sect. secs. 11 and 12.
Ascend gradually - Rocky.
Dense fire swept timber.

Subdivisions T. 28 N., R. 5 E.

Chs.

- 10.00 Enter open park.
- 28.00 Leave open park and enter dense cedar, pinon and pines.
- 40.00 Set a pinon post 3 ft. long 3 ins. sq. 24 ins. in ground for $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12 marked $\frac{1}{4}$ P. 11 on N. face and P. 12 on E. face, from which
 A pinon 16 ins. in diam. Crs. P. 42° 30' E. 30 lks. dist. marked $\frac{1}{4}$ P. 12 R. T.
 A pinon 9 ins. in diam. Crs. N. 30° 30' W. 13 lks. dist. marked $\frac{1}{4}$ P. 11, R. T.
 Ascend gradually.
- 80.00 Level and set a pinon post 3 ft. long 4 ins. sq. 24 ins. in ground for cor. of secs. 1, 2, 11 and 12, marked T. 28 N., P. 1 on N. E. R. 5 E. S. 12. on P. E. P. 11 on P. N. and P. 2 on N. W. faces with 5 notches on P.

Subdivisions T. 28 N., R. 5 E
Chs.

and 1 notch on E. edges. from
which, A pinon 7 ins. in diam.
P. 65° 15' N. 29 lks. dist. marked
T. 28 N., R. 5 E. P. 11, B. T.

A pinon 6 ins. in diam. Crs. P. 68°
E. 15 lks. marked T. 28 N., R. 5,
E. P. 12, B. T.

A pinon 8 ins. in diam. Crs. N 40°
30' E. 78 lks. dist. marked T. 28 N.
R. 5; E. P. 1, B. T.

A pinon 10 ins. in diam. Crs.
N. 2° N. 87 lks. dist. marked
T. 28 N., R. 5; E. P. 2, B. T.

Soil 4th rate.

Formation volcanic lime.

Character mountainous.

18.00 Chs. open ground.

64.52 Chs. Heavy timber-dense brush.

82.52 Chs. Mountainous in character.

Subdivisions T. 28 N., R. 5 E.

chs.

$N 89^{\circ} 57' E$ on a random line
bet. secs. 1 and 12.

40.00 Bet. temporary $\frac{1}{4}$ sec. cor.

80.00 Intersect E. ldy 12 lks. N. of
cor. to secs. 1, 6, 7 and 12.

Thence I run

$N 89^{\circ} 58' W$ on a true line bet.
secs. 1 and 12.

Level - Rocky.

Dense cedar and pinon.

20.00 Enter open park.

22.00 Ascend gradually.

24.50 Enter dense cedar and pinon.

40.00 Bet. a pinion post 3ft. long 3
ins. sq. 24 ins. in ground
for $\frac{1}{4}$ sec. cor. bet. secs. 1 and
12 marked $\frac{1}{4}$ P. 1 on N. face
and P. 12 on S. face. from
which a cedar 12 ins. in diam
brs. $N 34^{\circ} 45' E$. 16 lks. dist.

Subdivisions: T. 28 N., R. 5 E.
Chs.

marked $\frac{1}{4}$ P. 1, B. T.

A pin on 8 ins. in diam. br.
P. $61^{\circ} 15' N.$ 66 lbs. dist. mark-
ed $\frac{1}{4}$ P. 12, B. T. Level.

80.00 The cor. to secs. 1, 2, 11 and 12.
Pail 4th rate.

Formation volcanic lime.
Character mountainous.

4.50 Chs. open ground.

76.32 Chs. Heavy timber - dense brush

80.82 Chs. Mountainous in character

Sept. 10 at 12 A.M. L.M.T. I lay
off $4^{\circ} 55' N.$ on decl. arc. and
find the lat. to be $35^{\circ} 48'$

$30.7'' N.$ At 1 L.M.T. I set off
 $35^{\circ} 48' 30.7''$ on the lat. arc.

$4^{\circ} 54' N.$ on decl. arc. and
determine the true meri-
dian with the solar at the
cor. of secs. 1, 2, 11 and 12

Subdivision T. 28 N., R. 5, E.
chs.

Thence Iron

^{on a true line}
N 0° 01' W, bet. secs. 1 and 2.

13.30 Cross road bet. E. and W.

and over selling ground.

40.00 Set a pin on post 3 ft. long.

3 ins. sq. 24 ins. in ground
for $\frac{1}{4}$ sec. cor. bet. secs. 1 and

2 marked $\frac{1}{4}$ P. 2 on N. face

and P. 1 on E. face, from

which a pin on 6 ins. in diam.

bet. P. 68° 45' E. 17 lks. dist.

marked $\frac{1}{4}$ S. 1, B. T.

A pin on 10 ins. in diam. bet.

S. 49° W. 54 lks. dist. marked

$\frac{1}{4}$ S. 2, B. T.

80.00 Intersect 7th Standard Parallel

N. 10.40 chs. N. of D. C. to secs. 35-

and 36, T. 29, N. R. 5, E. which

is a stone firmly set in ground

marked and witnessed as

Subdivisions T. 28 N., R. 5 E
Chs.

described by the Surveyor General.
Set a pin on post 8 ft long, 4 ins. sq.
24 ins. in ground for C. C. sec. 1
& 2, marked C. C. T. 28 N., R. 5 E on
S. S 1 on E and S 2 on N. faces,
1 groove on E and 5 grooves on
N. faces from which, a pin in
9 ins. in diam. brs. S 38° E. 45 lks.
dist. marked T. 28 N., R. 5 E. P.
1, B. T. A pin on 10 ins. in
diam. brs. S 54° 15' N. 53 lks. dist.
marked T. 28 N., R. 5 E. S 2, B. T.
Dial 4th rate.

Formation volcanic lime.

Character meum tumors.

10.40 Chs. connecting line.

81.69 Chs. heavy timber, dense
brush.

81.69 Chs. Mountain area in
Character.

Subdivisions T. 28 N., R. 5 E.
Chs.

Sept. 11, at 7 A.M. m.t. I lay off
 $35^{\circ}44'09.2''$ N. on lat. arc. and 4°
 $38'$ N. on decl. arc. and determine
 the true meridian with the
 solar at the cor. to secs. 2, 3, 34
 and 35 Tps. 27 and 28, N. R. 5 E.

Thence I run

$110^{\circ}01'$ St. bet. secs. 34 and 35.

Level - Rocky. Rolling ground
 Dense cedar and pinon.

10.00 Descend rapidly

17.00 Enter open park and ascend
 gradually.

40.00 Set a pinon pest 3 ft. long & inc.
 sq. in a mound of stone with
 a marked stone for $\frac{1}{4}$ sec. cor.

bet. secs. 34 and 35, marked
 $\frac{1}{4}$ S. 34 on St. face and @ 35 -
 on E. face.

Pits impracticable.

Subdivisions T. 28 N., R. 5 E.
Chs.

- and no trees in limits.
- 48.00 Cross draw course (P. E₂).
- 51.00 Leave open park and enter dense cedar and pinon and ascend gradually - Rocky.
- 64.00 Ascend rapidly - Rocky.
- 66.00 Ascend gradually.
- 80.00 Set a limestone 17 x 14 x 6 ins. $\frac{2}{3}$ in ground for cor. of sec. 26, 27, 34 and 35, marked with one notch on W. and 2 notches on E. edges; from which, a pinon 8 ins. in diam. brs. $\text{D. } 85^{\circ} 30' \text{ E. } 41 \text{ lks. dist.}$ marked T. 28 N., R. 5 E. D. 35, B.T. A pinon 7 ins. in diam. brs. $\text{D. } 14^{\circ} 30' \text{ N. } 20 \text{ lks. dist.}$ marked T. 28 N., R. 5 E. D. 34, B.T. A pinon 7 ins. in diam. brs. $\text{N. } 50^{\circ} 15' \text{ E. } 47 \text{ lks. dist.}$ marked.

Subdivisions T. 28, N., R. 5, E.

chs.

T. 28, N., R. 5, E. D. 26, B. T.

A pinon 6 ins. in diam. Crs. N.

33° N. 20 lks. dist. marked. T. 28,

N., R. 5, E. D. 27, B. T.

Soil 4 th rate.

Formation volcanic lime.

Character mountainous

34.00 chs. open ground.

47.28 Chs. Heavy timber - dense brush.

81.28 Chs. Mountainous in character.

————— " —————

D. 89° 59' E. on a random line

bet. secs. 26 and 35.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.

80.16 Intersect Mund. P. line 3 lks.

N of cor to secs. 25, 26, 35 and 36.

Thence I run

N 89° 58' N. on a true line bet.

secs. 26 and 35.

Level.

Subdivisions T. 28, N. R. 5-E.
Chs.

- Dense cedar and pinon.
- 2.00 Open park.
- 7.00 Dense cedar, pinon and Buck brush
and ascend gradually.
- 40.08 Set a pinon pest 3ft long 3
ins sq. 24 ins in ground for
 $\frac{1}{4}$ sec. cor. bet. secs. 26 and 35
marked $\frac{1}{4}$ S. 26, on N face
and S. 35 on S. face from
which, a pinon 6 ins. in diam
Crs. N. 6° 30' W. 35 lks. dist.
marked $\frac{1}{4}$ S. 26, B. T.
A pinon 10 ins. in diam. Crs. S.
15° 30' W. 46 lks. dist. marked
 $\frac{1}{4}$ S. 35, B. T. Level.
- 75.00 Descend gradually - Rocky.
- 80.16 The cor. to secs. 26, 27, 34 and
35, Soil 3rd rate.
Formation volcanic lime.
Character mountainous.

Subdivisions T. 28 N., R. 5, E

chs

5.00 Chs. Open ground

75.97 Chs. Heavy Timber - dense brush.

80.94 Chs. Mountainous in character.

————— " —————

110° 01' N. bet. secs. 26 and 27.

Descend gradually.

Dense cedar and pines

15.00 Ascend gradually.

22.00 Descend gradually.

27.00 Nearly level - Rocky.

40.00 Set a pinon post 3 ft. long.

3 ins. sq. 24 ins. in ground
for $\frac{1}{4}$ sec. cor. bet. secs. 26 and
27, marked $\frac{1}{4}$ S. 27 on W.

face and S. 26 on E. face.

from which, a pinon 10 ins.
in diam. br. S. 37° 30' E. 33

lks. dist. marked $\frac{1}{4}$ S. 26, B. T.

A pinon 8 ins. in diam. br.

S. 84° 45' N. 39 lks. dist. marked

Subdivisions T 28 N., R 5 E.
chs.

- 80.00 $\frac{1}{4}$ P. 27, B. T. Nearly level.
- Level and set a limestone 16
x 12 x 6 ins. $\frac{2}{3}$ in ground for cor.
of secs 22, 23, 26 and 27, marked
with 2 notches on S and 2
notches on E edges. from which
A pin on 6 ins. in diam. Crs. N. 21°
15' W. 16 lks. dist. marked T 28,
N., R. 5, E., S. 22, B. T.
- A pin on 10 ins. in diam. Crs.
N 63° 45' E 26 lks. dist. marked
T. 28, N., R. 5, E. S. 23, B. T.
- A pin on 6 ins. in diam. Crs. S.
30° W. 33 lks. dist. marked T. 28,
N., R. 5, E. S. 27, B. T.
- A cedar 8 ins. in diam. Crs.
S. 52° 30' E. 45 lks. dist. mark-
ed T 28, N., R. 5, E. S. 26 B. T.
- Soil 4th rate.
- Formation volcanic lime.

Subdivisions T. 28 N., R. 5, E
chs

Character mountainous

81.92 Chs. Heavy timber - dense brush.

81.92 Chs. Mountainous in character.

————— " —————

$\beta. 89^{\circ} 58'$ E. bet. secs. 23 and 26
 on a random line.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.00 Intersect N and β line 5 lks.

β of cor. to secs. 23, 24, 25
 and 26.

Thence I run

West on a true line bet. secs.
 23 and 26.

Level nearly.

Dense cedar and pinon.

1.00 Descend rapidly over rocks.

4.00 Cross wash course β th and
 ascend gradually.

5.00 Cross road bet. N and β th.

30.00 Descend gradually.

Subdivisions T. 28 N., R. 5 - E.
chs

40.00 Set a limestone 17x13x6 ins

$\frac{2}{3}$ in ground for $\frac{1}{4}$ sec. cor.

bet. secs. 23 and 26, marked

$\frac{1}{4}$ p. on N face, from which

A pin on 6 ins. in diam. brs. $\text{D } 6^{\circ}$

St. 20 lbs. dist. marked $\frac{1}{4}$ p. 26,

B.T. a cedar 10 ins. in diam. brs.

No. W. 73 lbs. dist. marked $\frac{1}{4}$ p.

47.00 $\frac{2}{3}$ B.T. Descend gradually.
Cross drawn, come E by $\frac{1}{4}$ and ascend gradually.

60.00 Level - Rocky.

68.00 Descend gradually.

80.00 The cor. of secs. 22, 23, 26 and 27.

soil 4th rate.

Formation volcanic lime.

Character mountainous.

80.93 chs. Heavy timber - dense brush

80.93 chs. Mountainous in

character.

Subdivisions T 28 N, R 5 E
chs.

70° 01' N. bet. secs. 22 and 23.
 Level.

Dense cedar and pinon.

57.00 Ascend gradually - Rocky.

8.00 Level - Rocky.

38.00 Ascend gradually.

46.00 Set a pinon post 3 ft. long, 3
 ins. sq. 24 ins. in ground for
 $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23
 marked $\frac{1}{4}$ S. 22 on N. face
 and S. 23, on E. face; from
 which, a pinon 10 ins. in
 diam. brs. N 32° 30' W. 71 lbs. dist.
 marked $\frac{1}{4}$ S. 22, B. T.

A pinon 8 ins. in diam. brs. N 9°
 30' E 93 lbs. dist. marked $\frac{1}{4}$ S.
 23, B. T.

Ascend gradually.

55.00 Descend gradually.

Road brs. E & W.

Subdivisions T 28, N, R. 5, E.
 Chs.

69.00 Enter open park,

80.00 Set a limestone 24x16x8 ins.

$\frac{3}{4}$ in ground for cor to Secs.
 14, 15, 22 and 23, marked with
 3 notches on S and 2 notches
 on E edges; Dug pits 18x18 x
 12 ins. in each sec. $5\frac{1}{2}$ ft.
 dist. and raised a mound
 of earth 4 ft. base, 2 ft high
 N. of cor.

Soil 4th rate.

Formation volcanic lime.

Character meumtaneous.

11.00 Chs. open ground.

70.64 Chs. Heavy timber, dense brush.

81.64 Chs. Meumtaneous in Character

— " —
 E on a random line bet. secs.
 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

Subdivisions T. 28 N., R. 5 E.

chs.

80.00 Intersect Mandan line 9 lks.

N of cor. to secs. 13, 14, 23 and 24.

Thence Iron

N $89^{\circ}56'$ W. on a true line bet.
secs. 14 and 23.

Descend gradually - Rocky.

Dense cedar and pinon.

10.00 Cross road bet. Mandan - ^{ly}11.00 Cross wash course ^{ly}20.00 Cross wash course ^{ly} and
cross road bet. N. E. and N. W. ^{ly} and
ascend rapidly.22.00 Cross road bet. E and W ^{ly}

31.00 Level.

38.00 Ascend gradually.

40.00 Set a pine post 3 ft. long &
ins. sq. 24 ins. in ground for
 $\frac{1}{4}$ sec. cor. bet. secs. 14 and 23
marked $\frac{1}{4}$ S. 14 on N. face, and
S. 23, on S. face, from which,

Subdivisions T. 28 N., R. 5 E.
 Chs

A pinon 10 ins in diam. Crs.
 P. 21° 30' N. 32 lks. dist. marked
 $\frac{1}{4}$ P. 23. B. T., A pinon 6 ins
 in diam. Crs. N 77° 30' N. 30 lks.
 dist. marked $\frac{1}{4}$ S. 14, B. T.

Ascend rapidly.

40.80 Along rocky, neitherly breaks.
 47.00 Ascend gradually.
 51.00 Descend gradually.
 66.00 Enter open park.

73.00 Level

80.00 The cor. of secs. 14, 15, 22 and 23.

Soil 4th rate.

Formation volcanic lime.

Character mountainous.

14.00 Chs. Open ground.

66.62 Chs. Heavy timber dense brush.

80.62 Chs. Mountainous in character.

N 0° 01' N. Sect. secs. 14 and 15

Subdivision T 28, N, R. 5, E.
chs.

Level and open park.

- 3.40 Cross road bet N. H. and S. E. ^{1/4}.
- 15.00 Enter dense cedar and pine.
- 26.00 Cross draw course ^{1/4} and ascend gradually.
- 28.00 Timber partly free swept - Rocky.
- 40.00 Set a limestone 30 x 12 x 8 ins. $\frac{3}{4}$ in ground for $\frac{1}{4}$ sec. cor. bet. sec. 14 and 15 marked $\frac{1}{4}$ P. on N face, from which a pinon 10 ins. in diam. bet. N 47° E. 36 lks. dist. marked $\frac{1}{4}$ P. 14, B. T.
- A pinon 10 ins. in diam. bet. N 86° 30' W. 27 lks. dist. marked $\frac{1}{4}$ P. 15, B. T.
- Ascend gradually - Rocky.
- 42.00 Level.
- 47.00 Live dense cedar and pinon and descend gradually.
- 57.00 Level.
- 57.25 Cross wash, course ^{1/4} and heavy pines along wash.

Subdivisions T. 28 N, R. 5, E.
chr.

58.40 Cross road bcs. N.W. and S.E. ^{ly}

Rocky and ascend gradually.

Dense cedar, pinon and pine.

80.00 Set a sandstone 15 x 12 x 5 ins.

$\frac{2}{3}$ in ground for cor. of secs 10,

11, 14 and 15 marked with 4

notches on S. and 2 notches on

E edges. from which, a pinon

16 ins. in diam. bcs. N 77° E. 23

lbs. dist. marked T. 28 N, R. 5, E.

S. 11, B.T.

A pinon 17 ins. in diam. bcs. N 54° 15'

N. 65 lbs. dist. marked T. 28 N,

R. 5, E. S. 10, B.T.

A pinon 14 ins. in diam. bcs. S. 50°

45' N. 86 lbs. dist. marked T. 28 N,

R. 5, E. S. 15, B.T.

A pinon 12 ins. in diam. bcs. S. 49°

30' E. 72 lbs. dist. marked T. 28 N,

R. 5, E. S. 14, B.T.

Subdivisions T. 28 N., R. 5, E.

chs.
Soil 4th rate.

Formation volcanic lime.

Character mountainous.

15.00 ^{chs.} Open ground.

68.19 chs. Heavy timber-dense brush.

83.19 chs. Mountainous in character.

————— " —————
S. 89° 56' E. on a random line
bet. secs. 11 and 14.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N and S. line 14 lks. S.
of cor. to secs. 11, 12, 13 and 14.

Thence I run

S. 89° 58' N. on a true line bet.
secs. 11 and 14.

Ascend gradually.

Dense cedar and pinon.

2.00 Level.

10.00 Descend gradually - Rocky.

13.00 Cross draw course S ^{by} and

Subdivisions T 28 N, R. 5 - E.
 Cha.

- ascend gradually.
- 20.00 Scattering pines in cedar & pinon.
- 35.00 Level.
- 40.00 Set a pinon post 3 ft. long, 3 ins. sq.; 24 ins. in ground for $\frac{1}{4}$ sec. cor. bet. secs. 11 and 14 marked $\frac{1}{4}$ P. 11 on N. face and P. 14 on S. face; from which a pinon 6 ins. in diam. brs. N $26^{\circ}45'$ St. 12 lks. dist marked $\frac{1}{4}$ P. 11 B. T. A pinon 6 ins. in diam. brs. S. 6' 30° E 23 lks. dist. marked $\frac{1}{4}$ P. 14, B. T.
- Level - Rocky.
- 50.00 Descend gradually - Rocky.
- 61.00 Ascend gradually - Rocky.
- 68.00 Descend gradually - Rocky.
- 80.00 The cor. of secs. 10, 11, 14 and 15.
 Soil 4th rate.
 Termination volcanic line.

Subdivisions T. 28 N., R. 5, E.

chs.

Character maintainers.

80.35 Chs. Heavy timber - dense brush.

80.35 Chs. Maintainers in character.

————— " —————

No. 01' N. bet. secs. 10 and 11.

Ascend gradually. Dense cedar, juniper and pine.

17.00 Along N^W - ^{4/3} rocky slopes.

31.00 Open park - (Scattering pines).

40.00 Set a limestone 18x15x5 ins. $\frac{2}{3}$ in ground for $\frac{1}{4}$ sec. cor. bet.

secs. 10 and 11 marked $\frac{1}{4}$ S.

on N face, from which

A pine 10 ins. in diam. brs. N 82°

30° E. 245 lbs. dist. marked $\frac{1}{4}$

S. 11, B. T.; A pine 20 ins. in

diam. brs. S. 85° 15' N. 340 lbs.

dist. marked $\frac{1}{4}$ S. 10, B. T.

47.00 Enter heavy pines - Rocky.

62.00 Open draw course S^W -

Subdivisions T. 28, N., R. 5, E.

chs.

75.00 Heavy fines.

80.00 Set a limestone $18 \times 14 \times 7$ ins.
 $\frac{2}{3}$ in ground for cor. of secs.
 2, 3, 10 and 11 marked with
 5 notches on S and 2
 notches on E. edges; from
 which.

A pine 22 ins. in diam. Cro.
 N. $28^{\circ} 30'$ E. 87 lks. dist
 marked T. 28, N., R. 5, E. S.
 2, B.T.

A pine 12 ins. in diam. Cro.
 S. $76^{\circ} 45'$ E. 97 lks. dist. marked
 T. 28, N., R. 5, E., S. 11, B.T.

A pine 20 ins. in diam. Cro.
 S. 24° W. 50 lks. dist. marked
 T. 28, N., R. 5, E., S. 10, B.T.

No more trees in limits.

Soil 4th rate.

Subdivisions T. 28 N., R. 5 E.
chs.

Formation volcanic line.

character mountainous

29.00 chs. Open park.

59.14 Chs. Heavy timber. dense brush.

88.14 Chs. Mountainous in character.

————— " —————

N 89° 58' E on a random line

bet. secs. 2 and 11.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N and S line 5 lks.

N. of cor. to secs. 1, 2, 11 and
12.

Thence I run

West on a true line bet. secs.

2 and 11.

Descend gradually.

Heavy pines and pions.

8.00 Level.

18.00 Descend gradually - Rocky.

Subdivisions T. 28 N, R. 5 E.

chs.

- 34.00 Level - Rocky.
- 37.00 Ascend gradually.
- 38.50 Descend gradually - Rocky.
- 40.05 Set a limestone $17 \times 12 \times 6$ ins.
 $\frac{2}{3}$ in. ground for $\frac{1}{4}$ sec. cor.
 bet. secs. 2 and 11 marked
 $\frac{1}{4}$ p. on N face, from which
 a pin on 6 ins. in diam. Crs.
 $D. 5^{\circ} 30' N. 37$ lks. dist marked
 $\frac{1}{4}$ p. 11, B.T.
- A pin on 5 ins. in diam. Crs.
 $N 26^{\circ} 15' E. 15$ lks. dist. marked
 $\frac{1}{4}$ p. 2, B.T.
- Descend gradually - Rocky.
- 80.10 The cor. of secs. 2, 3, 10 and 11.
 Soil 4th rate.
- Formation volcanic lineal
 Character mountainous.
- 80.62 chs. Heavy timber - dense brush
- 80.62 chs. Mountainous in

Subdivisions T. 28 N., R. 5 E.
chs.

character.

Sept. 12, at 12 h. m. l. m. t. I lay
off $4^{\circ}09'N$ on decl. arc and
find the lat. to be $35^{\circ}48'32.7''$
 N . At 1 h. l. m. t. with lat. 35°
 $48'32.7''N$ and $4^{\circ}05'N$ on decl.
arc. I determine the true
meridian with the solar
at the cor. to secs. 2, 3, 10 and
11.

Thence I run

$N0^{\circ}01'W$. on a true line bet.
secs. 2 and 3.

- 3.40 Enter heavy pines
23.10 Wagon road bet. E and W.
34.90 Ascend gradually.
40.00 Set a pine post 8 ft. long. 3 ins.
sq. 24 ins. in the ground for
 $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3

Subdivisions: T. 28 N., R. 5, E.
Ch.

marked $\frac{1}{4}$ P. on N. face from
 which.

A pine 10 ins. in diam. brs. P. 30°
 W. 83 lks. dist. marked $\frac{1}{4}$ P. 3,
 B. T.

A pine 14 ins. in diam. brs. P.
 65° 15' E. 99 lks. dist. marked
 $\frac{1}{4}$ P. 2, B. T.

Enter heavy pine and ascend
 gradually.

79.90 Intersect the 1st Standard
 Parallel N, 10.40 chs. W. of
 Standard cor. to secs. 34
 and 35, which is a stone
 firmly set in the ground
 marked and witnessed as
 described by the Surv. Genl.

Set a limestone 25 X 14 X 8
 ins. $\frac{3}{4}$ in the ground for

Subdivisions T. 28, N., R. 5, E.

Chs.

clearing cor. to secs. 2 and 3.
marked P. C. on S with 2
grooves on E and 4 grooves
on W. faces, from which.

A pin on 6 ins. in diam. Crs.

P. W. 33 lbs. dist. marked
T. 28, N., R. 5, E. P. 3, B. T.

A pin on 14 ins. in diam. Crs.

P. E. 194 lbs. dist. marked
T. 28, N., R. 5, E. P. 2, B. T.

Soil 4th rate.

Formation volcanic lime

Character mountainous.

31.50 Chs. Open ground.

52.49 Chs. Heavy timber - dense
brush.

83.99 Chs. mountainous in
character.

10.40 Chs. Connecting lines

Subdivision: T. 28 N., R. 5 E.,
 chs.

N^o 02' N. bet. secs. 33 and 34.

Ascend gradually.

Open ground.

1.50 Cross old stage road Flagstaff
 to Grand Canon N.W. and S.E.

10.00 Ascend rapidly.

12.00 Enter dense cedar and pinon.

25.00 Level

36.00 Descend gradually.

40.00 Set a pinon pest 3 ft. long &
 ins. sq. 24 ins. in ground for
 $\frac{1}{4}$ sec. cor. bet. secs. 33 and 34.
 marked $\frac{1}{4}$ S. 33, ~~P.~~ ~~P.~~ on N.
 and S. 34 on E. face; from
 which.

A pinon 8 ins. in diam. Crs.
 N 87° 45' N. 84 lks. dist. marked
 $\frac{1}{4}$ S. 33, B. T.

A cedar 8 ins. in diam. Crs.

Subdivisions T. 28 N., R. 5 E.

cho.

N 61° 15' E. 53 lks. dist. marked
 $\frac{1}{4}$ P. 34, B. T.

Level.

- 46.00 Enter dense fire swept cedar
 and pinon standing and
 fallen and descend gradually.
- 56.00 Level and open park.
- 65.00 Cross road course N.W. and S. E^{ly}
- 80.00 Set a limestone 18 x 18 x 6
 ins. $\frac{2}{3}$ in ground for cor.
 to secs. 27, 28, 33 and 34
 marked with 1 notch on S.
 and 3 notches on E edges.
 Dug pits 18 x 18 x 12 ins. in
 each sec. 5 $\frac{1}{2}$ ft. dist. and
 raised a mound of earth 4 ft.
 base 2 ft. high N. of cor.
 Soil 3rd rate.
 Formation volcanic lime.

Subdivisions T. 28 N., R. 5 E.
 Chs.

Character mountainous.

36.00 Chs. open ground.

45.37 Chs. Heavy timber - dense
 brush.

81.37 Chs. Mountainous in character.

————— " —————
 S. 89° 59' E on a random line
 bet. secs. 27 and 34.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.20 Intersect N. and S. line 7 lks.

Ref. cor. to secs. 26, 27, 34th and 35.

Thence I run

N 84° 58' W. on a true line
 bet. secs. 27 and 34.

Descend gradually - Rocky.
 Dense cedar and pinon.

4.00 Descend rapidly - Rocky.

12.00 Enter open park and des-
 cend gradually.

Subdivisions: T. 28, N., R. 5, E.

Chs.

- 18.00 Cross draw course S^{45} and enter dense cedar and juniper - Rocky and ascend rapidly.
- 24.50 Descend gradually.
- 35.00 Cross draw course S^{45} and ascend gradually.
- 40.10 Set a limestone $16 \times 14 \times 10$ ins. $\frac{2}{3}$ in ground for $\frac{1}{4}$ sec. cor. bet. secs. 27 and 34, marked $\frac{1}{4}$ S. on N face, from which a pin on 6 ins. in diam. Crs. N $56^{\circ} 30'$ N. 35 lks. dist. marked $\frac{1}{4}$ S. 27, B.T.
- A cedar 7 ins. in diam. Crs. S. $55^{\circ} 30'$ N. 39 lks. dist. marked $\frac{1}{4}$ S. 34, B.T.
- Ascend gradually over rocky ground.
- 42.50 Ascend rapidly over rocky ground
- 45.00 Ascend gradually - Rocky.

Subdivisions. T. 25 N., R. 5 E.

Chs.

- 52.00 Descend gradually.
 58.00 Descend rapidly over lime ridge
 68.00 Descend gradually.
 74.00 Enter open ground
 76.50 Ascend gradually.
 77.50 Cross road brs. N and S.
 80.20 The cor. to secs. 27, 28, 33 and 34.

Soil 4th rate

Formation volcanic lime.

Character mountainous.

12.20 Chs. Open ground.

68.74^{Chs.} heavy timber - dense brush

80.94 Chs. Mountainous in character.

N^o 02 St. bet. secs. 27 and 28.

Open ground slightly rolling

6.00 Level.

11.25 Cross trail brs. N^o and S^o.40.00 Set a limestone 16 x 10 x 6 ins. $\frac{2}{3}$
 in ground for $\frac{1}{4}$ sec. cor bet

Subdivisions

T. 28 N., R. 5 E.

Chs.

secs. 27 and 28, marked $\frac{1}{4}$ D. on N face. Dug pits 18 x 18 x 12 ins. N and S of stone 3 ft. dist. and raised a m. of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

42.15 Cross trail brs. N^{ly} and S^{ly}.

80.00 Scattering trees just at cor. and set a limestone 30 x 14 x 8 ins. $\frac{3}{4}$ in ground for cor. to secs. 21, 22, 27 and 28, marked with 2 notches on S and 3 notches on E. edges; from which a pinon 12 ins. in diam. brs. S. 60° E 157 lks. dist. marked T. 28, N., R. 5, E. S. 27, B. T. A pinon 10 ins. in diam. brs. N 40° 45' E 324 lks. dist. marked T. 28, N., R. 5, E. S. 22, B. T. A pinon 8 ins. in diam. brs. N 0° 15' W. 305 lks. dist. marked T. 28, N., R. 5, E. S. 21, B. T.

Subdivisions T. 28 N., R. 5 E.

Chs.

No other trees in limits.

Soil 3rd rate.

Formation volcanic lime.

Character mountainous.

87.86 Chs. Open ground.

87.86 Chs. Mountainous.

————— " —————

$P. 89^{\circ} 58' E$ on a random line
bet. secs. 22 and 27.

40.00 Set a temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the N and S line 5
lks. S. of cor. to secs. 22, 23, 26
and 27. Thence I run.
West on a true line bet.
secs. 22 and 27.

Level.

Dense cedar and juniper fire
swept standing and fallen.

7.00 Dense live cedar and juniper.

14.00 Dense cedar and juniper, fire

Subdivisions. T. 25 N., R. 5 E.

Chs.

- swept standing and fallen.
- 17.00 Dense live cedar and pinon
Descend gradually.
- 23.50 Cross draw course $\frac{1}{4}$ and ascend gradually.
- 26.00 Ascend abruptly - Rocky.
- 28.25 Level
- 40.00 Set a juniper post 3 ft. long, 3 ins. sq. 24 ins. in ground for $\frac{1}{4}$ sec. cor. bet. sec. 22 and 27 marked $\frac{1}{4}$ P. 22 on N face and P. 27 on S face; from which a juniper 8 ins. in diam. brs. N $59^{\circ} 45' E$, 48 lks. dist. marked $\frac{1}{4}$ P. 22, B. T. A cedar 10 ins. in diam. brs. S $6^{\circ} 45' N$. 43 lks. dist. marked $\frac{1}{4}$ P. 27, B. T. Level.
- 56.00 Enter dense fir, swept cedar and pinon standing and fallen and descend rapidly.

Subdivisions: T. 28, N. R. 5, E.
Chs.

Rocky.

73.00 Open park and descend rapidly.

76.00 Level.

80.00 The cor. to secs. 21, 22, 27 and 28.

Soil 4th rate.

Formation volcanic lime.

Character mountainous.

7.00 chs. open ground.

73.91 Chs. Heavy timber dense brush.

80.91 Chs. Mountainous in character.

~~~~~ " ~~~~~

Sept. 13, at 12. m. l. m. t. I set off  
 $3^{\circ}46'N$ , on decl. arc and find  
 lat. to be  $35^{\circ}45'53.8''N$ , at 1 h.  
 l. m. t. with lat. at  $35^{\circ}45'53.8''N$ .  
 and  $3^{\circ}45'N$  on decl. arc. I  
 determine the true meridian  
 with the solar at the cor. to  
 secs. 21, 22, 27 and 28.

Thence I run.

Subdivisions T. 28 N., R. 5 E.  
Chs.

- N<sup>o</sup> 02 St. bet. secs. 21 and 22.  
Open park slightly ascending.  
Scattering cedar and pinon.
- 31.50 Cross Mogui trail and road  
Crs. N. E. and P. St. <sup>Ln</sup>.
- 40.00 Set a limestone 17X13X5 ins.  
 $\frac{2}{3}$  in. ground for  $\frac{1}{4}$  sec. cor.  
bet. secs. 21 and 22 marked  $\frac{1}{4}$   
p. on N. face; from which  
A pinon 14 ins. in diam. Crs.  
N 56° E. 72 lks. dist. marked  $\frac{1}{4}$  p.  
22, B.T. No other trees in limits.  
Open ground - ascend gradually.
- 43.00 Ascend rapidly. Rocky.
- 45.00 Dense cedar and pinon.
- 56.00 Level - Rocky.
- 58.00 Descend gradually - Rocky.
- 62.70 Cross draw course St. <sup>Ln</sup> and  
ascend rapidly - Rocky.
- 71.00 Level and along rocky N. <sup>Ln</sup> slope

## Subdivisions T.

chs.

80.00 Set a limestone 30x16x7 ans.

$\frac{3}{4}$  in ground for cor. of secs.  
15, 16, 21 and 22 marked with  
3 notches on P. and E. edges,  
from which,

A pin on 7 ins. in diam. bro.

N 29° 30' E 71 lks. dist. marked  
T. 28, N., R. 5, E., S. 15, B. T.

A pin on 6 ins. in diam. bro.

N 56° 15' W. 43 lks. dist. marked  
T. 28, N., R. 5, E., S. 16, B. T.

A pin on 10 ins. in diam. bro.

S. 51° 20' E. 46 lks. dist. marked  
T. 28, N., R. 5, E., S. 22, B. T.

A pin on 8 ins. in diam. bro.

S. 81° 45' W. 51 lks. dist. marked  
T. 28, N., R. 5, E., S. 21, B. T.

Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous