

"C."  
C. 137

111

*Subdivisions  
T. 28, N., R. 4, E.  
Lewis Wolfley.*

BOOK 559

*1009*

4-671

559

---

FIELD NOTES  
GENERAL LAND OFFICE.

112 Indexed, Book 557

Township 28 N R. 4 E

|     |     |    |    |    |    |    |
|-----|-----|----|----|----|----|----|
| 6   | 128 | 5  | 4  | 3  | 2  | 1  |
| 127 | 125 |    |    |    |    |    |
| 7   | 122 | 8  | 9  | 10 | 11 | 12 |
| 120 | 118 |    |    |    |    |    |
| 18  | 116 | 17 | 16 | 15 | 14 | 13 |
| 114 | 113 |    |    |    |    |    |
| 19  | 20  | 21 | 22 | 23 | 24 |    |
|     |     |    |    |    |    |    |
| 30  | 29  | 28 | 27 | 26 | 25 |    |
|     |     |    |    |    |    |    |
| 31  | 32  | 33 | 34 | 35 | 36 |    |

## Subdivision T 28 N R 4 E, Continued

- 80.00 Intersect N and S line  
12 lks S of cor to sec 16, 17, 20<sup>rd</sup> 21  
Thence I run  
W. on trundle bet sec  
17 and 20  
Level - Rocky  
Dense burnt Cedar<sup>rd</sup> Pinon  
standing and fallen
- 18.60 Cross old road bet N<sup>th</sup> & S<sup>th</sup>  
Ascend gradually. Rocky
- 27.00 Level Rocky
- 29.00 Dense live Cedar and Pinon
- 34.00 Dense burnt and live Cedar  
and Pinon
- 40.00 Set limestone 16x12x8 ins  
11 ins in ground for 1/4 sec  
cor bet sec 17 and 20  
marked 1/4 S. on N. face  
Raise end of stones 2 ft -  
base 1 1/2 ft high W. of cor.



114

BOOK 559

Subdivisions

428

cls

Pits infracticable

Level and rocky

44.00 Dense live Cedar and Piñon

58.00 Dense burnt Cedar and Piñon

Slightly rolling ground. Rocky

80.00 Cov secs 17, 18, 19 and 20

Soil 4<sup>th</sup> rate

Formation volcanic Lime

Character mountainous

80.00 cls Heavy timber

Dense brush

80.00 cls mountainous in

character

Sept 24 at 7 A.M. l.m.t.

Set off  $35^{\circ}46'N$  on lat arc  
 and  $0^{\circ}23'S$  on decl arc and  
 determine true meridian  
 with solar at covt secs  
 17, 18, 19 and 20, thence I run

N. R. 4 E.

chs

S. 89° 4' E on random line  
bet secs 18 and 19

40.00

Set wmp 1/4 sec cor

77.20

Intersect W bdy of Sp 5 lks  
N. of cor to secs 13, 18, 19 and 24  
Thence I run

N 89° 5' 2" E on true line bet  
secs 18 and 19

Descend gradually - Rocky  
Dense cedar and Piñon burnt

28.00

Cross draw course S W 1/4

36.00

ascend gradually

37.20

Set limestone 17 X 13 X 8 ins  
12 ins in ground for 1/4 sec  
cor bet secs 18 and 19

marked 1/4 S. on N. face  
and raise end of stone  
2 ft base 1 1/2 ft high N of cor  
Pit is impracticable  
Slightly rolling - Rocky

## Subdivisions

chs  
77.20

The cov to secs 17, 18, 19 and 20  
soil 4<sup>th</sup> rate

Formation Volcanic Lime  
Character mountainous

77.20chs Heavy timber  
dense brush

77.20ch mountainous in  
character

N 0° 3' W bit secs 17 and 18

Slightly rolling - Rocky  
Dense cedar and Pinon  
fireswept standing and  
fallen

40.00

Set limestone 18x9x6 ins

12 ins in ground for 1/4 sec  
cov bit secs 17 and 18

marked 1/4 S. on N. face

Dig pits 18x18x12 ins

N. and S. of stone 3ft dist



Y 28 N R 4 E

cls

and raise end of earth  
 3 1/2 ft base 1 1/2 ft high  
 It of cov. *Pit. in f. ae.*

70.00

scattering cedar and  
 Pinon alive among  
 the burnt

80.00

Set limestone 18x12x6 ins  
 12 ins in ground for cor  
 of secs 7, 8, 17 and 18 marked  
 with 4 notches on S and  
 5 on E edges. Dig pits  
 18x18x12 ins in each sec  
 5 1/2 ft dist and raise  
 end of earth 4 ft base  
 2 ft high It. of cov.  
 Soil 4<sup>th</sup> rate

Formation Volcanic  
 Lime

Character mountainous

80.00 cls Heavy timber &

## Subdivision

|       |   |
|-------|---|
| also  | Dense brush   |
|       | 80.00 also Mountainous  |
|       | <u>in character</u>   |
|       | E. on random line bet secs<br>8 and 17                                  |
| 40.00 | Set temp. $\frac{1}{4}$ sec cor   |
| 79.90 | Intersect N. and S. line<br>9 lks N. of cor to secs 8, 9, 16<br>and 17. |
|       | Thence I run<br>N. $89^{\circ}36'W$ on true line<br>bet secs 8 and 17   |
|       | Descend gradually<br>Dense Cedar and Pinon                              |
| 4.00  | Dense burnt cedar and<br>Pinon - Rocky                                  |
| 6.00  | Ascend gently   |
| 12.00 | Dense Cedar and Pinon<br>Ascend gently                                  |



T 28 N. R 4 E

dws

- 23.00 Descend gently
- 39.95 Set limestone 17x12x5 ins  
12 ins in ground for 1/4 sec  
cor bit secs 8 and 17 marked  
1/4 S on N. face, from which  
a Pinon *triosdian* tree  
N. 15° 45' W 58 lks dist marked  
1/4 S 8 B.Y.
- a Pinon *triosdian* tree  
S 4° 30' W 27 lks dist, marked  
1/4 S 17 B.Y.
- Descend gently
- 46.00 Open draw course S W 1/4  
Descend gently
- 48.00 Dense Cedar, Pinon and  
Buck brush - level
- 67.00 Dense burnt Cedar and  
Pinon - Rocky
- 79.90 Cor of secs 7, 8, 17 and 18  
Soil 4<sup>th</sup> rate

## Subdivision

chs

Formation Volcanic Line

Character mountainous

2,000 chs open park

78.75 chs Heavy timber &  
dense brush80.75 ch Mountainous  
in character

—————  
" "

S 89° 52' W, on random  
line bet secs 7 and 18

40.00

Set temp 1/4 sec cov

77.40

Intersect N. bdy of 4 pr at  
cov to secs 7, 12, 13 and 18

Thence I run

N. 89° 52' E on true line  
bet secs 7 and 18Level - rocky - on high ridge  
Scattering live Cedar  
and Pinon

Dense burnt Cedar and Pinon

## Y 28 N R 4 E

|       |  |
|-------|--|
| the   | Rolling ground - Rocky   |
| 26.50 | Cross wash course S <sup>2</sup> E <sup>4</sup><br>Ascend abruptly on<br>Lime ledge.   |
| 27.50 | Ascend gradually   |
| 37.40 | St limestone 16x10x6 ins<br>11 ins in ground for $\frac{1}{4}$ sec<br>cor bet secs 7 and 18, marked<br>$\frac{1}{4}$ S on N. face, from which<br>a cedar 8 ins diam brs<br>N 11° 30' E 224 lks dist, marked<br>$\frac{1}{4}$ S 7 B. Y.<br>a cedar 10 ins diam brs<br>S 21° E 229 lks dist<br>marked $\frac{1}{4}$ S 18 B. Y.<br>Ascend gradually - Rocky |
| 77.40 | The cor to secs 7, 8, 17 <sup>2d</sup> & 18<br>Soil 4 <sup>th</sup> rate<br>Formation Volcanic Lime<br>Character Mountainous   |



|       | Subdivision   |
|-------|---|
| cho   | 81.93cho Heavy timber<br>dense brush  |
|       | 81.93cho Mountainous<br>character   |
|       | 40° 3' W bet secs 7 and 8<br>Level  |
|       | Dense Cedar + Piñon burnt-<br>Rocky   |
| 4.00  | Descend gradually, Rocky  |
| 17.00 | Descend gently  |
| 19.00 | Dense cedar, Piñon + Pine   |
| 30.00 | Dense Cedar and Piñon<br>Heavy Pines just E. and<br>ascend gently   |
| 40.00 | Set Piñon Post 3 ft long<br>3 ins sq 24 ins in ground<br>for 1/4 sec cor bet secs 7 + 8<br>marked 1/4 <sup>S</sup> 7 on W. face<br>and S 8 on E. face, from which |

Y. 28 N. R 4 E

dr.

A Piñon 5 ins diam tree  
N 34° 45' E 15-16 dist marked  
1/4 S. 13 T.

A Piñon 6 ins diam tree  
S 73° 30' W 8 lks dist marked  
1/4 S. 13 T.

Ascend gently

5000 Open draw, course S W<sup>ly</sup>  
Descend gradually

5725 Cross road tree N. E. <sup>2d</sup> and S W<sup>ly</sup>

5500 Dense cedar and Piñon  
ascend gradually along  
Easterly slope

8000 Set limestone 17x8x6 ins  
12 ins in ground for cor  
to see 5, 6, 7 and 8  
marked with 5 grooves  
on S. and 5 on E edges  
from which

A Piñon 5 ins diam tree

## Subdivision

N 17° 30' E 16 lks dist marked

T 28 N. R 4 E S 3 B. T.

A cedar 10 ins diam brs

N. 67° 45' W 23 lks dist, marked

T 28 N. R 4 E S 6 B. T.

A Piñon 6 ins diam brs

S 62° 30' W 24 lks dist, marked

T 28 N. R 4 E S 7 B. T.

A Piñon 5 ins diam brs

S 25° E 26 lks dist, marked

T. 28 N. R 4 E S 8 B. T.

Soil 4<sup>th</sup> rate

Formation Volcanic base

Character mountainous

5.00 chs Open ground

76.12 chs Heavy timber

dense brush

81.12 chs Mountainous character



## T 28 N R 4 E

|       |   |
|-------|---|
| else  | S 89° 36' E on random line<br>bet secs 5 and 8  |
| 40.00 | Set temp 1/4 sec cor  |
| 80.00 | Intersect N and S line at<br>cor to secs 4, 5, 8 and 9<br>Thence I run<br>N 89° 36' W on true line<br>bet secs 5 and 8<br>Land level<br>Dense Cedar and Pinon |
| 20.00 | Open Park   |
| 34.40 | Cross Automobile road<br>Flagstaff to grand canon<br>bet N and S 1/4  |
| 36.00 | Dense cedar and Pinon<br>scattering Pine<br>Broken and Rocky ground   |
| 40.00 | Set limestone 20x14x9 ins<br>14 ins in ground for 1/4 sec<br>cor bet secs 5 + 8, marked   |

| chs     | Subdivision   |
|---------|---|
| 114     | S on N face, from which<br>a Pine 8 ins diam bro<br>N 76° E 67 lks dist marked              |
| 14      | S 5 B. Y.<br>a Pine 9 ins diam bro<br>S <sup>84°</sup> W 286 lks dist, marked               |
| 114     | S 8 B. Y.   |
| 5-3.25- | Cross road bro N. E. + S W <sup>4</sup><br>and cross draw course S W <sup>4</sup><br>ascend |
| 5-4.50  | Dense Cedar + Piñon. Rocky  |
| 74.00   | along rocky Sly slopes  |
| 80.00   | Cor to sec 5, 6, 7 and 8  |
|         | Soil 4 <sup>th</sup> rate   |
|         | Formation Volcanic line   |
|         | Character mountainous   |
|         | 1600chs Open ground   |
|         | 67.5-5chs Heavy timber Dense brush  |
|         | 83.53chs Mountainous character  |

T. 28 N. R. 4 E

Chs

Oct 2<sup>nd</sup> At 7 P.M. l. m. t. I  
 set off  $35^{\circ}48'N$  on lat arc and  
 $3^{\circ}24'N$  on decl arc and  
 determine true meridian  
 with Solar at cor to  
 secs 5, 6, 7 and 8.

Thence I run

S.  $89^{\circ}52'W$  on random  
 line bet secs 6 and 7

40.00

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

77.50

Intersect Wbdy of Tpt at  
 the cor of secs 1, 6, 7 and 12

Thence I run  $N 89^{\circ}52'E$  on  
 true line bet secs 6 and 7

Nearly level rocky along S slope.  
 Dense Cedar and Piñon  
 standing and fallen, and  
 Buckbrush.

37.50

Set limestone  $14 \times 6$  ins pins  
 in ground for  $\frac{1}{4}$  sec cor



## Subdivision

chs

bet secs 6 and 7, marked  
 1/4 S on N face, from which  
 a Pinon 5 ins diam bore  
 N. 25° 30' E 66 lks dist marked  
 1/4 S 6 B. Y.

a Pinon 8 ins diam bore  
 S 30 15' E 53 lks dist, marked  
 1/4 S 7 B. Y., along S<sup>4</sup> slope

77.50

The cor to secs 5, 6, 7 and 8  
 Soil 4<sup>th</sup> rate

Formation Volcanic line  
 Character mountainous

78.71 chs Heavy timber  
 dense brush

78.71 chs Mountainous  
 character

U 0° 3' W on true line  
 bet secs 5- and 6 over  
 mountainous land

728 NR 4 E

|       |   |
|-------|---|
| chs   | Ascending gradually<br>Rocky  |
| 5.95  | Along W-T slope   |
| 19.95 | Ascend gently   |
| 25.95 | Level along Easterly slope  |
| 34.95 | Descend gently  |
| 40.00 | a Pinon tree 6 in diam<br>for 1/4 S cor, bet sees 5 & 6<br>marked 1/4 S 6 on W side<br>and S 5 on E side, from which<br>a Pinon 7 in diam tree<br>N. 25° E 20 lks dist - marked<br>1/4 S 5 - B.Y. |
|       | a Pinon 8 in diam<br>tree S 82° 30' W 10 lks dist -<br>marked 1/4 S 6 B.Y.  |
|       | Ascend gently   |
| 43.95 | along Easterly slope.<br>Dense Cedar and Pinon<br>Descend gradually   |

## Subdivisions

- chs  
 5-3.45' Cross Automobile road  
 Flagstaff to Grand Cañon  
 by N. W. and S E 1/4
- 5-9.95- Open draw course S E 1/4  
 Ascend gradually  
 Dense Cedar and Pinon
- 7995- Intersect 7<sup>th</sup> Standard  
 Parallel North 8.32 chs W  
 of S. C. to sec 31 and 32  
 T<sup>29</sup> N R 4 E which is a  
 stone firmly set in the  
 ground and marked and  
 witnessed as described  
 by the Surveyor Gen'l  
 at 8.32 chs W of S C to sec  
 31 and 32  
 Set a limestone 18x12x7 in  
 9 in in ground for C. C.  
 to sec 5 and 6, marked  
 C. C. on space, with 5 grooves



Y 28 N R 4 E

on E and 1 grooves on  
N. faces, from which  
a Pinon 8 ins diam br  
S 68° 30' E 22 chs dist marked

Y 28 N. R 4 E S 5 - B.Y.

a Pinon 8 ins diam br  
S 12° N 49 chs dist, marked  
Y 28 N R 4 E S 6 B.Y.

Soil 4<sup>th</sup> - note

Formation Volcanic Lime  
character Mountainous

1600 chs Open ground

64.96 chs Heavy timber -

Dense brush

80.96 chs Mountainous  
in character,

8.32 chains connecting  
line

## Subdivision

## General Description

The grass is poor except  
in Pines and openings

The elevation at the lower  
portions of the Southern  
part is about 7000 ft. at

the highest of the  
Northern is about 8000 ft.

The Southern part shows  
burnt districts more  
than the Northern

The formation is volcanic  
lime which after flooding  
has cooled and become  
broken into rough and  
jagged rocks

The soil is volcanic ash  
and decayed vegetation  
thin except in washes

The whole is generally

T. 28 N. R. 4 E.

covered with heavy timber  
and dense brush, there  
being vast tracts fire-  
swept leaving trees  
standing partly fallen  
and down

No Water

Poor signs of mineral  
The mean magnetic  
declination as determined  
by solar observations and  
corrected as per table on  
page 100 of the Manual  
is  $N 13^{\circ} 10' E$

Sewer Wolfley  
U. S. Dpt. Surveyor



No. 559

BOOK 559 134

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona.

March 1, 1901.

The foregoing field notes of the survey of Tp. 28 N. R. 4 E.  
Area of Salt River Water  
executed by Lewis Woolley D.S.  
under his Contract No. 72, dated June  
3, 1900, having been critically  
examined, and the necessary corrections  
and explanations made, the said field  
notes, and the surveys they describe,  
are hereby approved.

*George Christ*

U.S. Surveyor General for Arizona.