

"C"
(2)
Subdivisions
of
T.R.B., N., R.A.E.
by
Lewis Wolfley.

No. 558

4-671

FIELD NOTES
GENERAL LAND OFFICE.

558

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Indexed, Book 557

Township 28 N R. 4 E

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			92	46			
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18	17	85	16	40	15	14	13
		112	83	59			
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30	105	29	75	28	53	27	26
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31	98	32	71	33	34	35	36

No. 558

BOOK 558 53

Subdivisions T 28 N R 4 E cont'd

marked $\frac{1}{4}$ S. 28 B. 7.

A Piñon 14 ins diam brs

N. 13° 30' E 143 lks dist marked

$\frac{1}{4}$ S 27 B. 7.

46.75- Descend abruptly to level

1-3.50 Cross Moggi road brs E + W

1-4.00 Ascend abruptly Rocky
Dense Cedar and Piñon

5.50 Ascend gently

6.00 Dense Cedar and Piñon fire swept
standing and fallen

12.00 Dense live cedar and Piñon

80.00 Set limestone 24x12x12 ins
18 ins in ground for cor sec

21, 22, 27 and 28 marked
with 2 grooves and 3 on E.
edges from which

A Piñon 14 ins dia brs N. 5° 8' 15" W

8 lks dist marked

T 28 N. R 4 E S 21 B. 7.

Subdivision

chs

A Pinon 8 ins diameter S. 40°-
45' N 65 lks dist, marked
T 28 N. R 4 E S 28 B. T.

A Pinon 16 ins dia br
N 13° 15' E 91 lks dist, marked
T 28 N. R 4 E S 22 B. T.

A Pinon 13 ins dia br S 85° 45' E
37 lks dist, marked
T 28 N R 4 E S 27 B. T.

Soil 4th Rate

Formation Volcanic Lime

Character Mountainous

30.00 chs Open ground

53.56 chs Heavy timber Dense brush

83.56 chs Mountainous Character

Cor on a random line
bet sec 22 and 27

40.00

Set temp 1/4 sec. cor

80.10

Intersect N. and S. line

T. 28 N. R. 4 E,

dis	at cor to secs 22, 23, 26 ^{and} 27 Thence I run It. on true line bet secs 22 and 27 Descend gradually Dense Cedar and Piñon
3.00	Open ground and Descend rapidly over Rocky ground
10.60	Cross Moggi road bet E. 2 nd & W. 1 st Descend gradually
12.60	Cross draw course S. W. 1 st and Ascend abruptly Rocky
16.60	Descend abruptly - Rocky
19.00	Descend gradually
26.50	Cross draw course southerly Ascend abruptly - Rocky
29.00	Slightly rolling Rocky
40.05	Set limestone 23 x 15 x 7 ins

cls	Subdivision
	17 ins in ground for $\frac{1}{4}$ sec cor bet secs 22 and 27 marked $\frac{1}{4}$ S. on N. face, from which a Piñon 8 ins diam brs N 22° E 179 lks dist marked $\frac{1}{4}$ S 22 B.T.
	A Piñon 6 ins diam brs S 4° 45' E 360 lks dist, marked $\frac{1}{4}$ S. 27 B.T.
46.00	Slightly rolling Rocky Dense cedar and Piñon Level and rocky
53.00	Descend abruptly
58.00	Descend gradually
59.25	Cross trail brs Northeastly and Southwestly
60.00	Cross wash course S. W. by Ascend rapidly
63.00	Ascend gradually Rolling
80.10	The cor to secs 21, 22, 27 ^{2d} and 28

Y 28 N R 4 E

chs

Soil 4th rate

Formation Volcanic Lime

Character Mountainous

43 chs open ground

42.49 chs Heavy timber - Dense
brush85.49 chs Mountainous character

N 0° 2' W bet sec 21 and 22

Ascend gently

Dense Cedar and Piñon

9.00 Open Park - Ascend gently

25.00 Dense Cedar and Piñon fire-

swept standing and fallen

Rocky

40.00 Set a limestone 16x10x8 ins

10 ins in ground for 1/4 sec cor

bet secs 21 and 22, marked

1/4 S on W face, from which

a Piñon 9 ins in diam

chs	Subdivision
	<p>brs S 57°30' E 8 lks dist marked 1/4 S 22 B, T. No other trees in limits.</p>
60.00	<p>Ascend gently - Rocky Open draw</p>
80.00	<p>Set a limestone 14x12x10 ins 9 ins in ground for corners 15, 16, 21 and 22 marked with 3 grooves on S and 3 on E edges, raise mid of stones 2 ft base 1 1/2 ft high W. of cor. Pits impracticable. Soil 4th rate Formation volcanic lime character mountainous 36.00 chs open ground 34.08 chs Heavy timber - Dense brush.</p>
	80.08 chs Mountainous character

Y 28 N R 4 E

chs

E. on random line bet
secs 15 and 22

40.00

Set temp 1/4 sec. cor.

79.90

Intersect N. and S. line 5 chs

S. of cor to secs 14, 15, 22nd and 23

Thence I run

S 89° 5' 8" E on true line
bet secs 15 and 22.

Level

Dense Cedar and Pinon fire-
sweep, standing and fallen

Stony

39.95

Set limestone 18x10x6 ins

8 ins in ground for 1/4 sec.

cor. bet. secs 15 and 22

marked 1/4 S on N. face

Dig pits 18x18x12 ins E + W

of stone 3 ft dist and raise

mid. of earth. 3 1/2 ft base 1 1/2 ft

high N. of cor

dis
 66.00 Subdivision
 Rolling ground Rock
 Scattering live Piñon
 among the burnt
 79.90 the corsecs 15, 16, 21 and 22
 Soil 4th Rate
 Formation Volcanic Line
 character mountainous
 79.90 chs Heavy timber Dense brush
 79.90 chs Mountainous character

N 0° 2' W, bet secs 15 and 16
 Ascend gently - Rocky
 Dense cedar^{2nd} & Piñon fire-
 swept standing and fallen
 Live Buck Brush Cedar
 angsage.

40.00 Set limestone 16X12X5 ins
 10 ins in ground for
 1/4 sec cor. bet secs 15^{2nd} & 16
 marked 1/4 S. on A face

T 28 N R 4 E

dix

Raise mid of stones 2 ft
base 1 1/2 ft high W of cor.

Pito infractible

Ascend gently rocky

60.00 Nearly level

68.00 Dense Cedar and Piñon

80.00 Set limestone 20 X 14 X 7 ins

14 ins in ground for cor
secs 9, 10, 15 and 16 marked
with 4 grooves on S and 3
E edges, from which

A Piñon 6 ins diam br

N. 22° W 6 lks dist, marked

T 28 N. R. 4 E, S. 9 B. T.

A Piñon 7 ins diam br

N. 7° E. 33 lks dist marked

T 28 N. R. 4 E S 10 B. T.

A Piñon 6 ins diam br

S 51° E, 8 lks dist, marked

T 28 N. R. 4 E, S. 15 B. T.

chs	Subdivision
	<p>A Piñon 8 ins diam tree S 79° 45' W, 24 lks dist, marked T. 28 N. R. 4 E. S. 16 B. Y. Soil 4th rate Formation Volcanic Line Character Mountainous 80.71 chs Heavy timber Dense Brush 80.71 chs Mountainous Char- acter</p>

40.00	N 89° 5-8' E on random line bet secs 10 and 15-
80.00	Set temp 1/4 sec cov, Intersect N. and S line at cov to secs 10, 11, 14 and 15-
	Thence I run S 89° 5-8' W on true line bet secs 10 and 15-
	Nearly level

T 28 N. R 4 E

chs

Dense Cedar and Piñon

- 40.00 Set limestone 15 X 10 X 4 ins
10 ins in ground for $\frac{1}{4}$ sec cor
bet secs 10 and 15, marked
 $\frac{1}{4}$ S. on N. face, from which
A Piñon 10 ins diam br
S 52° E 47 lks dist, marked
 $\frac{1}{4}$ S. 15 B.Y.
A Piñon 12 ins diam br
N. 3 lks dist, marked
 $\frac{1}{4}$ S. 10 B.Y.

- 45.00 Descend gently - Rocky
5-8.00 Descend rapidly
64.40 Cross draw course southerly
and trail N. and S $\frac{1}{2}$
Heavy Pines along draw
Ascend rapidly - Rocky
69.00 Ascend gently
72.00 Level
80.00 The cor secs 9, 10, 15 and 16

Subdivision

cls

Soil 4th rate

Formation Volcanic Lime

Character Mountainous

80.50 cls Heavy timber —

Dense brush.

80.50 cls Mountainous character

Sept 28 at 7 P.M. l.m.t.
 I set off 35° 48' on lat arc
 and 156' on decl arc
 and determine the true
 meridian with the solar
 at cor of secs 9, 10, 15 and 16
 Thence I run

N^o 2' W bet secs 9 and 10

Ascend gradually Rocky

Dense Cedar and Pinon

7.00

Level - Rocky

18.00

Heavy pines scattering

Cedar and Pinon

Y 28 N R 4 E

- | | |
|-------|---|
| 40.00 | <p>Set limestone 22X12X8 ins
 16 ins in ground for $\frac{1}{4}$ sec cor
 bet secs 9 and 10 marked
 1/4 S on W. face, from which
 a Pine 20 ins diam bse S. 63° W.
 91 lks dist marked $\frac{1}{4}$ S. 4 B. T.
 A Pine 7 ins diam bse S 38° 15' E
 17 lks dist marked, $\frac{1}{4}$ S. 10 B. T.
 Ascend gently - Rocky</p> |
| 47.00 | <p>Dense Cedar, Piñon, scattering
 Pines - Buck Brush</p> |
| 59.00 | <p>Dense burnt cedar and Piñon
 standing and fallen -
 Scattering live trees and
 Buck Brush.</p> |
| 80.00 | <p>Set limestone 18X12X5 ins
 12 ins in ground for cor
 of secs 3, 4, 9 and 10 marked
 with 5 notches on S. and
 3 on E. edges. Dig pits</p> |

Subdivision

chs

18x18x12 ins in each sec 5 1/2 ft-
dist, and raise mid of earth
4 ft base 2 ft high W. of cor.
Soil 4th Rate

Formation Volcanic Line

Character Mountainous

81.08 chs Heavy timber Dense
brush.

81.08 chs Mountainous Character

N. 89° 58' E on random line
bet secs 3 and 10

40.00

Set temp 1/4 sec. cor

79.90

Intersect N. and S. line 2 lks
S. of cor to secs 2, 3, 10 and 11
Thence I run

S. 89° 57' W on true line
bet secs 3 and 10

Level - Rocky

Dense Cedar, Piñon and Pine

Y 28 N R 4 E

dis 18.00	Descend gently and enter open draw course S.W. <u>44</u>
22.00	Enter Cedar, Piñon and heavy Pine Ascend gently
34.00	Dense Cedar and Piñon
39.95	Make X on line ledge for $\frac{1}{4}$ sec cor bet secs 3 rd & 10 marked $\frac{1}{4}$ S. from which a Piñon 6 ins in diam brs S $22^{\circ} 15'$ W 57 lks dist, marked $\frac{1}{4}$ S 10 B. T.
	A Cedar 12 ins diam brs N. 35° E 48 lks dist, marked $\frac{1}{4}$ S. 3 B. T.
42.00	Dense Cedar and Piñon Ascend gradually
46.00	Dense Cedar and Piñon Fire-scrub - Rocky
79.90	Cor to secs 3, 4, 9 and 10

chs	Subdivision
	Soil 4 th rate
	Formation Volcanic Line
	Character mountainous
	4.00 chs open ground
	76.95 chs Heavy timber Dense brush
	80.95 chs Mountainous character
	<hr/>
	N. 0° 2' W on true line bet- secs 3 and 4 through dense cedar and Piñon and live Buck-brush
12.95~	Ascend gradually rocky, through dense live cedar and Piñon
22.95~	Ascend gradually, stony
40.00	Set limestone 16x14x7 ins 11 ins in ground for 1/4 sec cor bet secs 3 and 4 marked 1/4 S. on N. face

Y 28 N R 4 E

chs

from which

A Piñon 7 ins diam brs
 $525^{\circ}30'E$ 70 lks dist marked
 $\frac{1}{4}$ S. 3 B. T.

A Piñon 8 ins in diam
 brs S $24^{\circ}30'W$ 112 lks dist marked
 $\frac{1}{4}$ S. 4 B. T.

- 49.95- Cross wash course Westward
 and descend gradually
- 50.95- Dense Cedar and Piñonaline
 and burnt - ascend gradually
- 55.95- Dense Cedar and Piñon
 Ascend gradually
- 69.95- Heavy Pines - level along
 Westward slope.
- 79.95- Intersect the 7th Standard
 Parallel North 8.32 chs W
 of S.C. to secs 33 and 34
 T_p 29 N. R. 4 E, which is
 a stone firmly set in

Subdivision

the ground and witnessed as described by the Surveyor General

at 8.32 hrs W of S.C. to secs 33 and 34 I set a line about 14x14x8 in or 8 in in ground for C.C. to secs 3 and 4 marked C.C. on S. with 3 grooves on E and W faces, from which

a Pinon 8 in diam tree S 13° W, 39 lks dist, marked T 28 N. R 4 E S 4 B. Y.

A Pinon 9 in diam tree S 35° 15' E 40 lks dist marked T 28 N. R 4 E S 3 B. Y.

Soil 4th rate

Formation Volcanic Limestone

Character mountainous

82.56 hrs Heavy timber Dense

Y. 28 N. R. 4 E.

chs brush.

8256 chs Mountainous character

8.32 chs Connecting line

N 0° 3' W bet secs 32 and 33

Open Park - Ascend gently

6.00 Enter dense Cedar and Piñon

40.00 Set Piñon post 3ft long 3 in dia
24 ins in ground for $\frac{1}{4}$ sec cor
bet secs 32 and 33marked $\frac{1}{4}$ S 32 on W face and
S 33 on E face, from which
a Piñon 9 ins diam brs S 69° 15' E
30 lks dist marked $\frac{1}{4}$ S 33 B. T.A Piñon 5 ins diam brs
S. 55° W 29 lks dist, marked
 $\frac{1}{4}$ S 32 B. T.

Ascend gently

45.00 Level

73.00 Descend gently southerly

72

Subdivision

class	slopes to Mogui Wash and road
80.00	Set limestone 18X10X6 ins 12 ins in ground for cor to sec 28, 29, 32 and 33, marked with 1 groove on S and 4 on E edges, from which a Piñon 7 ins diam brs N. 27° 15' W, 45 lks dist marked, T 28 N. R 4 E Q 29 B. S. A Piñon 10 ins diam brs S. 33° 30' W 25 lks dist, marked T 28 N. R 4 E P 32 B. S. A Piñon 10 ins diam brs N. 9° 30' E 48 lks dist, marked T 28 N. R 4 E S 28 B. S. A Piñon 6 ins diam brs S 45° E 25 lks dist, marked T 28 N. R 4 E S. 33 B. S. Soil 4 th rate

Y 28 N R 4 E

cls

Formation Volcanic Lime
Character Mountainous76.02 cls Heavy timber -
dense brush.

82.02 cls Mountainous character

6.00 cls Open park

N. 89° 5-8'E on random line
bet secs 28 and 33

40.00 Set temp 1/4 sec cor

80.10 Intersect N. and S. line

5-lks N. of cor to secs 27, 28,
33 and 34.

Hence I run

Now true line bet secs
28 and 33Descend gradually - Rocky
Dense Cedar and Pinon

1.60 Descend rapidly - Rocky

5.00 Level

ch	Subdivision
9.00	Descend gently - Rocky
14.00	Descend gradually
29.00	Open park and Descend gradually
40.05-	Set a Pinon post 3ft long 3ins sq, with marked stone 24ins in ground for 1/4 sec cov bet sec 28 and 33 marked 1/4 S 28 on N. face and S. 33 on S. face. Dig pits 18X18X12 ins E and W of Post 3ft dist and raise end of earth 3 1/2 ft base 1 1/2 ft high N. of cov.
41.50	Cross automobile road Flagstaff to Grand Cañon by N. and S. 1/4 and Descend gradually
48.00	Dense cedar and Pinon Ascend gradually - Rocky

Y 28 N R 4 E

54.00 Ascend gently

58.00 Descend gradually about

Westerly Rocky slopes

80.10 The cor. of secs. 28, 29, 32nd and 33Soil 4th rate

Formation Volcanic Limestone

Character mountainous

19.00chs open ground

61.10chs Heavy timber Dense
brush.

80.10chs Mountainous character

Sept 29, at 7 A.M. 1/2 mt. I set off

35° 44' N. on lat arc and

2° 20' S. on decl arc and

determine true meridian

with solar at cor to secs

28, 29, 32 and 33

Thence I run

N 0° 3' W bet secs 28nd and 29

dis	Subdivisions
8.00	Descend rapidly - Rocky Dense Cedar and Piñon Open draw, course Easterly Level
17.00	Dense Cedar and Piñon
20.00	Descend gently
27.75-	Descend abruptly scattering Pines among cedars and Piñon
31.00	Open draw course Westerly
34.80	Cross Moggi road and trail course E. and W.
35.00	Ascend rapidly over limestone ledge
36.00	Dense cedar and Piñon and scattering pines
40.00	Set limestone - 15 X 12 X 4 ins 10 ins in ground for 4 sec on but sec 28 and 29, marked 1/4 S. on W face, from which a Piñon 8 ins diam brs S 47° W 141 lks dist, marked

T 28 N. R 4 E

class

1/4 S. 29 B. T.

A Pinon 6 ins diam brs
 N. 5-7° 45' E 40 kds dist, marked
 1/4 S. 28 B. T.

Ascend rapidly over limestone
 ledge

43 00

Ascend gradually - Rocky

80 00

Set limestone 20 X 14 X 4 ins
 14 ins in ground for cor
 of sec 20, 21, 28 and 29, marked
 2 notches on S and 4 on E
 edges; from which,
 a Pinon 9 ins diam brs
 S 29° 30' E 53 kds dist, marked
 T 28 N. R 4 E S 28 B. T.

A Pinon 8 ins diam brs
 S. 5-2° 15' W 134 kds dist, marked
 T 28 N. R 4 E S. 29 B. T.

A Pinon 12 ins diam brs
 N. 5-3° 45' W, 174 kds dist, marked

Subdivision

acs

T. 28 N. R. 4 E. S. 20 B. G.

No other trees of size
within limit.Soil 4th rate

Formation Volcanic Lime

Character mountainous

14.00 acs Open Park

71.42 acs Heavy timber Dense
brush.85.42 acs Mountainous char-
acterO on random line bet
secs 21 and 28

40.00 Set temp 1/4 sec cor

80.00 Intersect N. and S. line at
cor of secs 21, 22, 27 and 28

Thence I run

W. on true line bet secs
21 and 28

Y 28 N R 4 E

chs	Descend gradually Dense Cedar and Piñon
7.00	Cross draw, course Southwesterly Slightly rolling ground
10.00	Level
20.00	Descend gradually
36.00	Level
40.00	Set limestone 15x12x6 ins 10 ins in ground for $\frac{1}{4}$ sec cor bet secs 21 and 28 marked $\frac{1}{4}$ S. on N. face, from which a Piñon 9 ins diam brs S $59^{\circ}45'$ W 115 lks dist, marked $\frac{1}{4}$ S 28 B. Y. A Piñon 7 ins diam brs N. $50^{\circ}14'$ W 143 lks dist marked $\frac{1}{4}$ S. 21 B. Y.
47.00	Descend abruptly - Rocky
48.75	Cross automobile road Flagstaff to Grand Cañon

chs	Subdivision
	hrs Northely and Southely
	Ascend abruptly - Rocky
57.25	Ascend gradually
62.00	Ascend gently
68.00	Descend gently
77.00	Open park - level
80.00	The cor of secs 20, 21, 28 and 29
	Soil 4 th rate
	Formation volcanic line
	Character mountainous
3.00 chs	open park
79.58 chs	heavy timber Dense brush
82.58 chs	Mountainous character
	<hr/>
	N. 0° 3' W bet sec 20 and 21
	Level
	Open Park
16.00	Ascend gradually
	Dense cedar and Pinon
25.00	Ascend gently

Y 28 N R 4 E

- chs
 40.00 Set limestone 23X14X8 ins
 14 ins in ground for $\frac{1}{4}$ sec. cor
 bet secs 20 and 21 marked
 $\frac{1}{4}$ S. on W face, from which
 a Pinon 8 ins diam brs
 N. $45^{\circ} 45'$ W 21 kds dist, marked
 $\frac{1}{4}$ S 20 B. Y.
 A Pinon 7 ins diam brs
 N. $76^{\circ} 45'$ E 24 kds dist, marked
 $\frac{1}{4}$ S. 21 B. Y.
 Ascend gently
 48.00 Dense cedar and Pinon
 fire swept standing
 and fallen
 Rolling ground
 58.00 Ascend gently scattering
 live cedar and Pinon
 80.00 Set limestone 19X8X4 ins
 12 ins in ground for cor to
 secs 16, 17, 20 and 21 marked

cho Subdivision

with 3 grooves on S and
4 on E edges, from which
a Pinon 8 ins diam brs N.
16° 15' E 221 lks dist, marked
T 28 N. R. 4 E S. 16 B D.

A Cedar 8 ins diam brs
N. 80° 15' W 205 lks dist, marked
T 28 N. R. 4 E S 17 B Y
No. other live trees in
limit

Soil 4th rate

Formation Volcanic Line

Character Mountainous

16.00 cho Open Park

68.71 cho Heavy timber

Dense brush

84.71 cho Mountainous

in character

Y 28 NR 4 E

ch

E. on random line
bet secs 16 and 21

40.00

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

79.90

Intersect N. and S line
5 fks S of cor to secs
15, 16, 21 and 22.

Thence I run

S. $89^{\circ}58'$ W on true line
bet secs 16 and 21Rolling ground. Rocky
Dense Cedar and Piñon
fir scrub and scattering
live trees

39.95

Set limestone 15 X 12 X 10 ins
10 ins in ground for
 $\frac{1}{4}$ sec cor bet secs 16 + 21
marked $\frac{1}{4}$ S on N. face
from which
a Piñon 8 ins in diam
was S. $79^{\circ}45'$ E, 25 fks dist

- Subdivision
- chs
- marked 1/4 S 21 B Y
- A Pinon 5 ins in diam br
- N. 33° W 242 lks dist marked
- 1/4 S. 16 B. Y.
- Dense Buck Brush and
- Prickly Oak
- Rocky. Descend gently
- 69.40 Cross Automobile road br
- N.E. and S.W. by Flagstaff to
- Grand cañon
- Level and Rocky
- 79.90 The cor of secs 16, 17, 20 and 21
- Soil 4th Rate
- Formation Volcanic Line
- Character Mountainous
- 84.86 chs Heavy timber -
- Dense brush
- 84.86 Mountainous in
- character

T. 28 N, R. 4 E.

chs

N 0° 3' W bet secs 16 and 17

Ascend gently

Dense Cedar and Piñon

11.00 Dense Cedar and Piñon fire swept

22.00 Dense live Cedar and Piñon
Ascend gently

35.00 Level

40.00 Sit limestone 17x12x5 ins
11 ins in ground for 1/4 sec cor
bet secs 16 and 17, marked
1/4 S. on W. face, from which
a Piñon 8 ins diam tree
S 19° 30' E 8 lks dist marked
1/4 S. 16 B. Y.A Piñon 7 ins in diam
tree N. 82° 13' W 8 lks dist
marked 1/4 S. 17 B. Y.

Level

48.00 Cross draw course S W 1/4

Subdivision

cls	
76.00	Descend gently
80.00	Set a limestone 16x10x7 ins 10 ins in ground for cor to sec 8, 9, 16 and 17 marked with 4 grooves on S and 4 on E. edges from which A Piñon 5 ins diam brs N. 59° 15' E 7 lks dist, marked T. 28 N. R. 4 E. S. 9 B. 7, A Piñon 8 ins diam brs S 39° 30' E 7 1/2 lks dist marked T. 28 N. R. 4 E. S. 16 B. 7, A Piñon 6 ins diam brs S 45° 30' E 10 3/4 lks dist, marked T. 28 N. R. 4 E. S. 17 B. 7, A Piñon 8 ins diam brs N 6° 30' E 9 3/4 lks dist marked T. 28 N. R. 4 E. S. 8 B. 7, Soil 4 th rate Formation Volcanic Limestone

4284 R 4 E

chs

Character Mountainous

83.66 chs Heavy timber -
dense brush83.66 chs Mountainous
in characterN. $89^{\circ}5-8'E$ on random
line bet secs 9 and 1640.00 Set temp $\frac{1}{4}$ sec cor80.00 Intersect N. and S. line
at cor to secs 9, 10, 15 and 16

Thence I run

S $89^{\circ}5-8'N$ on true line
bet secs 9 and 16

Level

Dense Cedar and Piñon

1.00 Dense burnt cedar &

Piñon - Rocky

13.00 Descend gently Rocky

20.00 Descend gradually

Subdivision

29.00

Nearly level

Dense cedar and piñon
alive among the burnt.

40.00

Set a limestone $14 \times 12 \times 8$
ins. 8 ins. in ground
for $\frac{1}{4}$ sec cor. bet secs
9 + 16 marked $\frac{1}{4}$ & on
N face; from which
a Piñon 10 ins in diam
brs $N 20^\circ E$. 95 lbs dist
marked $\frac{1}{4}$ & 9 B. J.

A piñon 9 ins in diam
brs $S 67^\circ 30' E$. 103 lbs
dist marked $\frac{1}{4}$ & 16 B. J

68.75

Cross automobile road
Flagstaff to Grand Cañon
brs $NW \frac{1}{4}$ & E.

Level.

75.50

Old Indian wickiup
1 Ch & and

Y 28 NR 4 E

Descend gradually.
Dense cedar Piñon &
Scattering pine.

80.00

The cor to secs 8, 9, 16 & 17

Soil 4th rate.

Formation Volcanic lime

Character: mountainous

81.98 chs Heavy timber, Dense brush

81.98 chs. Mountainous character

Sept 30 at 7 am. l. mt.

I set off $35^{\circ} 47' N.$ on
lat arc, ^{and $2^{\circ} 42' S.$ on decl-arc} and determine

the true meridian with

the solar at the cor to

secs. 8, 9, 16 & 17

Thence I run.

N $0^{\circ} 3' W$ bet secs 8 & 9

Descend gently

Rocky

Subdivision

- | | |
|-------|---|
| Chs. | Dense cedar piñon and Pines. |
| 9.00 | Ascend gently over rolling ground. Cross drawer course S.W. ^{ly} |
| 15.00 | Open drawer course S.W. ^{ly} Ascend gently. |
| 17.00 | Cross automobile road Flagstaff to Grand Cañon bet N.E and S.W. ^{ly} |
| 22.00 | Heavy pines scattering piñon |
| 35.00 | Open drawer S.W. ^{ly} |
| 38.00 | Dense cedar + piñon Ascend gradually |
| 40.00 | Set a limestone 22x10x8 ins. 16 ins. in ground for 1/4 Sec. cor. bet secs 8 and 9 marked 1/4 S on W face; from which a piñon 7 ins diam |

T 28 N R 4 E

brs. S. 16° W 47 lks dist
marked 1/4 S 8 B. T.

A cedar 24 ins. in diam
brs. N. $6^{\circ} 30'$ E 183 lks.
dist marked 1/4 S 9 B. T.

Ascend gradually
Nearly level.

80.00

Level. Set a limestone
17 X 13 X 8 ins 11 ins in
ground for cor to sec
4, 5, 8 + 9. marked with
5 notches on S and 4
on E edges. from which
a Piñon 8 ins diam.
brs. S $35^{\circ} 15'$ W. 28 lks
dist marked

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

A piñon 8 ins. diam
brs. N. $52^{\circ} 15'$ E.

61 lks dist marked

Subdivision

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

A piñon 8 ins. diam.
 hrs. S. $71^{\circ} 15' E$. 66 lbs
 dist marked

T. 28 N. R 4 E. S. 9 B. T.

A piñon 8 ins. diam hrs.
 N $32^{\circ} W$ 51 lbs dist marked

T. 28 N. R 4 E. S. 5 B. T.

Soil 4th. rate.

Formation Volcanic Lime

Character mountainous.

10.00 chs. Open ground

74.36 chs. Heavy timber

Dense brush.

84.36 Chs mountainous

character.

N. $89^{\circ} 58' E$ on a random
 line bet secs 4 and 9

Y 28 N R 4 E

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

80.00 Intersect N + S line
2 lbs S. of cor to secs
3, 4, 9 and 10

Thence I run

S. $89^{\circ} 57' W$ on a true
line bet secs 4 + 9.

Descend gradually -
Rocky.

Dense cedar and piñon
fire swept standing
and fallen.

24.00 Rolling ground and
scattering live trees
among the burnt - Rocky

40.00 Set a piñon post 3 ft
long 3 in. sqr 24 ins
in ground for $\frac{1}{4}$ sec.
cor. bet secs 4 + 9
marked $\frac{1}{4}$ — S 4 on

Subdivision

chs.

N. face and S 9 on S face
from which.

A pine 18 in diam base
N 59° E, 159 lbs dist
marked 14 S 4 B. T.

A pine 20 in diam.
base S. 76° 45' E. 235 lbs.
dist marked 14 S 9 B. T.

- 53.00 Enter heavy pines and
Descend gently
- 68.00 Dense cedar and piñon
scattering pines. Nearly level.
- 80.00 The cor. to secs. 4, 5, 8 & 9
Soil 4th rate.
- Formation Volcanic Lime
Character mountainous
- 83.94 chs Heavy timber
Dense brush.
- 83.94 chs. Mountainous character

Y 28 N R 4 E

- chs. N $0^{\circ} 3' W$ on a true line
bet secs 4 and 5. through
dense timber and
descend gradually.
- 3.00 Cross drawer course S. W. W
Ascend gently.
- 31.00 Descend rapidly
- 38.40 Descend
- 38.90 Cross road bet. NE & S W W
and cross draw course S. W. W
- 40.00 cut a cross \dagger on a
lime ledge for $\frac{1}{4}$ sec
cor bet secs 4 & 5.
marked $\frac{1}{4}$ S on E. face
from which
9 pine 16 ins. diam brs.
S $64^{\circ} 30' E$ 68 lbs dist
marked $\frac{1}{4}$ S. 4 B. T.
A piñon 6 ins. diam
brs. N. $9^{\circ} 30' W$ 97 lbs dist.

Subdivision

marked $\frac{1}{4}$ S 5 T. T.

Level

- 60.00 Dense cedar + pinoñs
 73.00 Heavy pines.
 80.00 Intersect the 7th stand
 ard.

Parallel N at 8.32 chs W of
 S.C. to secs. 32 + 33 T. 29 N
 R 4 E. which is a stone
 firmly set in ground
 and marked and
 witnessed as described
 by Surveyor General.

At 8.32 chs. W of the S.C.
 to secs 32 and 33 I see a
 limestone $17 \times 12 \times 8$ ins
 11 ins. in ground for
 C.C. to secs. 4 and 5
 marked C.C. on S with

T 28 N R 4 E

4 groves on E & 2 groves
on W faces.

from which

A Cedar 22 ins diam

br S 60° W 26 lbs dist, marked

T 28 N R 4 E S 5-B J

A cedar 20 ins in diam

br S 14° E 95 lbs dist, marked

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

Soil 4th rate

Formation Volcanic line

Character mountainous

82.86 chs Heavy timber

dense brush

82.86 chs Mountainous

in character

8.32 chs connecting

line

subdivision

chs

N 0° 3' W bit sec 31 and 32

Dense cedar and Piñon
Level

00.05 Cross road bet E and W-1

10.00 Cross draw course westerly

35.00 Descend gently

40.00 Set line clove 17 x 12 x 6 ins

12 ins in ground for 1/4 sec
cor bet sec 31 and 32 marked1/4 S on W face, from which
a Piñon 6 ins diam br. N.

29° 30' E 38 lbs dist marked

1/4 S 32 B.Y.

a Piñon 9 ins diam br

S 82° 30' E 20 lbs dist marked

1/4 S. 31 B.Y.

Descend gradually

54.00 Ascend gently

63.00 Descend gradually

78.00 Descend abruptly

T 28 N R 4 E

cls
80.00

Set-limestone 15' X 10' X 5' - ins
10 ins in ground for cor to
secs 29, 30, 31 and 32 marked
with 1 groove on S and
5 grooves on E. edges, from which
A Pinon 6 ins diam brs

S 71° 15' W 44 lks dist, marked
T 28 N. R 4 E S 31 B. Y.

A Pinon 7 ins diam brs
N. 48° 30' W 41 lks dist, marked
T. 28 N. R. 4 E. S. 30 B. Y.

A Pinon 7 ins diam brs
S 50° 15' E 20 lks dist, marked
T. 28 N. R. 4 E. S. 32 B. Y.

A Pinon 5 ins diam brs
N 27° 15' E 17 lks dist, marked
T 28 N. R 4 E S. 29 B. Y.

Soil 3rd rate

Formation Volcanic Lime
Character mountainous

Subdivision

83.39 chs Heavy timber
Dense brush.

83.39 chs Mountainous character

S $89^{\circ}38'W$ on random line
bet secs 30 and 31

40.00 Set temp $1/4$ sec, cor.

77.10 Intersect W Bdy of T_p 13th
N. of cor of secs 25, 30, 31 & 36

Thence I run

N $89^{\circ}52'E$ on true line
bet secs 30 and 31

Dense cedar and Pinon.

Ascend gradually

16.00 Descend gently

24.00 Descend abruptly

26.75 Cross Mogni draw course W by

27.00 Cross Mogni draw course E and W by

Ascend rapidly along
rocky breaks

Y 28 N R 4 E

- che
36.00 Nearly level - Rocky
- 37.10 Set limestone (6x8x6 ins) 11 ins
in ground for 1/4 sec cor
bet secs 30 and 31 marked
1/4 S. on N. face from which
A Piñon 12 ins diam brs
N. 71° 15' E 69 lks dist marked
1/4 S 30 B.S.
- A Piñon 6 ins diam brs
S 32 E. 90 lks dist marked
1/4 S 31 B.S.
- 46.50 On bluff N. of Mogui draw,
Descend rapidly into
Mogui draw
- 5-3.00 Cross Mogui draw br
N. W. ^{1/4} and S E ^{1/4}.
- 5-3.25- Cross Mogui wash br N. W. ^{1/4}
Ascend abruptly
- 5-5.00 Descend rapidly
- 5-8.50 Cross Mogui road brs

Subdivision

chs	
	S of and N.E. ^{1/4} and Cross draw course S of ^{1/4}
63.00	Ascend abruptly
66.00	Level Rocky
77.10	The cor to eces 29, 30, 31 and 32 Soil 4 th rate Formation Volcanic Line Character mountainous
78.69	chs Heavy timber Dense brush
78.69	chs Mountainous <u>in character</u>

Oct 1 at 7 A.M. I set flag
off $35^{\circ} 44' N$ on lat arc and
 $3^{\circ} 06' S$ on decl. arc and deter-
mine true meridian
with solar at cor to eces
29, 30, 31 and 32
Thence I run

Y 28 N R 4 E

- clus $N. 89^{\circ} 5-8' E$ on random line
bet secs 29 and 32
- 49.00 Set temp $\frac{1}{4}$ sec cor
- 80.10 Intersect N. and S line
9 lks N of cor to secs 28, 29, 32 + 33
Thence S run
 $N 89^{\circ} 5-8' W$, on true line bet
secs 29 and 32
Along N. rocky slopes
Descend gently
Dense cedar and Piñon
- 40.05 Set limestone $17 \times 12 \times 5$ ins
11 ins in ground for $\frac{1}{4}$ sec
cor, bet secs 29 and 32
marked $\frac{1}{4}$ S on N. face
from which
a Piñon 12 ins diam
brs S. $81^{\circ} W$ 15-7 lks dist
marked $\frac{1}{4}$ S. 32 B. Y.
A Piñon 8 ins diam brs

Subdivisions

N 10°45' E 1/2 lks dist -
marked 1/4 S 29 B. Y.

Descend gently

54.20 Cross draw course N. W.

Ascend gently

57.00 Road bet N. W. and S. E.

69.00 Descend rapidly Rocky

71.00 Cross draw cr N. W. and
Ascend Northwly breaks

80.10 Cov secs 29, 30 31 and 32

Soil 4th rate

Formation Volcanic Lime

Character Mountainous

82.79 chs Heavy timber
dense brush

82.79 Mountainous
character

Y 28 N R 4 E

- cls
 110°3' W bet sec 29 and 30
 Descend abruptly
 Dense Cedar and Piñon
- 2.75- Cross Mogpi wash course
 Westerly and Mogpi road
 bears E and Westerly
 Ascend rapidly
- 8.00 Level - rocky
- 22.00 Open park - scattering
 cedar and Piñon
- 40.00 Set limestone 18 X 14 X 12 ins
 12 ins in ground for
 1/4 sec cor bet sec 29th and 30
 marked 1/4 S on W face
 from which:
 a Piñon 7 ins diam br
 S 77°15' W 111 kts dist, marked
 1/4 S 30 B.G.
 a Cedar 9 ins diam br
 N 47°45' E 133 kts dist

Subdivisions

dis	marked $\frac{1}{4}$ S 29 B.Y.
46.00	Dense Cedar and Piñon Rocky
80.00	Set limestone 16X10X8 ins 12 ins in ground for cor of secs 19, 20, 29 and 30 marked with 2 grooves on S and 5' on E. edges, from which a Piñon 8 ins diam br N 80° W 60 lks dist marked T 28 N. R 4 E S 19 B.Y. A Piñon 6 ins diam br S 91° E 37 lks dist, marked T 28 N. R 4 E S 29 B.Y. A Piñon 10 ins diam br S 33° 30' W, 74 lks dist, marked T 28 N. R. 4 E S 30 B.Y. A Piñon 6 ins diam br N. 27° 15' E 7 lks dist, marked T 28 N. R 4 E S 20 B.Y.

Y 28 N R 4 E

chs

Soil 4th rate

Formation Volcanic Line

Character mountainous

24.00 chs open ground

60.22 chs Heavy timber -
dense brush

84.22 chs Mountainous character

S 89° 5' 8" E on random line
bet secs 20 and 29

40.00 set temp 1/4 sec. cor.

80.14 Intersect N. and S line

7 lks N. of cor to secs 20, 21, 28 & 29

Thence I run

N 89° 5' 3" W on true line

bet secs 20 and 29.

Level - Dense Cedar
and Piñon

9.00 Cross draw course S W 1/4

Rocky and nearly level

Subdivision

chs.	
35.00	Descend gently - Rocky
39.00	Descend abruptly along rocky westerly slope
40.07	Set Limestone 14x8x6 ins 9 ins in ground for $\frac{1}{4}$ sec cor bet secs 20 and 29 marked $\frac{1}{4}$ S on N. face from which a Pine 20 ins diam br N 28 15' E 18 lks dist, marked $\frac{1}{4}$ S 20 B.Y. A Piñon 8 ins diam br S 45 45 24 14 lks dist marked $\frac{1}{4}$ S 29 B.Y. Descend rapidly
41.00	Open draw course S $\frac{1}{4}$ E
41.80	Cross road br N and S $\frac{1}{4}$ E Ascend rapidly
44.00	Level Enter dense Cedar ^{2d} Piñon

T 28 N R 4 E

chs
 60.00 Descend gently
 8014 Cor of secs 19, 20, 29nd 30
 Soil 4th rate
 Formation Volcanic line
 Character mountainous
 3.00 chs Open ground
 77.46 chs Heavy timber &
 dense brush
 80.46 chs Mountainous character

S 89° 52' W on random line
 bet secs 19 and 30

40.00 Sit temp 1/4 sec cor

77.10 Intersect W. Bdy of Tfr
 5 lks S of cor to secs 19, 24, 25^{3/4} 30
 Thence I run

N 89° 54' E on true line
 bet secs 19 and 30

Dense cedar and Piñon
 Rolling ground.

Subdivisions

- 37.10 Set limestone 18x14x12 ins
 12 ins in ground for $\frac{1}{4}$ sec cor
 bet secs 19 and 30 marked
 $\frac{1}{4}$ S on N face, from which
 a Pinon 6 ins diam br
 N. 31° 15' W 64 lks dist marked
 $\frac{1}{4}$ S 19 B. Y.
 a Pinon 8 ins diam br
 S 23° 45' E 87 lks dist, marked
 $\frac{1}{4}$ S 30 B. Y.
 Level
- 40.40 Dense Cedar & Pinon standing
 and fallen - fire swept and
 scattering live trees
- 47.40 Open park
- 50.40 Dense Cedar and Pinon fire swept -
 with scattering live trees
- 72.40 Dense live Cedar and Pinon
 Level

Y 28 N R 4 E

chs

77.10

The cor to secs 19, 20, 29nd 30Soil 4th rate

Formation Volcanic Lime

Character mountainous

3.00 chs Open ground

75.61 chs Heavy timber, dense brush

78.61 chs Mountainous Character

No. 3' It bet secs 19 and 20

Dense cedar and Pinon

Nearly level

5.00

Dense Cedar and Pinon fire swept standing & fallen

38.00

Cross wash course S by

40.00

Set limestone 20 x 10 x 6 ins

10 ins in ground for $\frac{1}{4}$ sec

cor bet secs 19 and 20 marked

 $\frac{1}{4}$ S on it face, raise midof stones 2 ft - base $\frac{1}{2}$ ft -

high of cor. Pito

Subdivision 928NR4E
che

infracticable

Ascend gently over
rolling ground

80.00

Set limestone 16x9x6 ins
10 ins in ground for cor
to secs 17, 18, 19 and 20 marked
with 3 grooves on S. + E - on
E edges; raise mid of
stones 2 ft - base 1 1/2 ft - high
H. of cor. Pits infracticable
Soil 4th rate

Formation Volcanic Line
Character Mountainous

80.00 che Heavy timber &
dense brush

80th che Mountainous character

S 89° 53' E on random line
bet secs 17 and 20

40.00

Set temp 1/4 sec cor