

"G."
Subdivisions.
of
Frac. T. 28, N., R. 6, E.
by
Lewis Wolfley.

BOOK 563

No. 563

4-671

FIELD NOTES
GENERAL LAND OFFICE.

563

No. 563

Field Notes
of the survey of the
Subdivision
of
Township No. 28 North
Range No 6 East
of the
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
Lewis Wolfley
U. S. Deputy Surveyor
under his contract No
Dated June 13, 1900.

Survey commenced Sept 4, 1900.
Survey completed Sept. 6, 1900.

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(4-674.)

Township 28 North, R. 6, East.

6	49	5	17	4	3	2	1
47		45					
7	43	8	14	9	10	11	12
41		40					
18	37	17	12	16	15	14	13
36		34					
19	32	20	10	21	22	23	24
30		28					
30	26	29	8	28	27	26	25
24		23					
31	20	32	5	33	34	35	36

Subdivision T. 28 N. R. 6 E

For preliminary catho see
Book "B" T. 29 N., R. 4, E.

R. 6 E. Continued

cho

Sept 4th at 7 A.M. l. mt
 I lay off 33° 44' true lat.
 arc and 7° 16' N. on decl
 arc and determine true
 meridian with the
 solar at the cor. to
 secs 4, 5, 32 and 33 Tps
 27 and 28 N. R. 6 E.

Thence I run

N. 0° 3' W. to sec 32 and 33

Ascend gradually
 Open Park

8.00 Ascend rapidly Rocky
 ground.

Enter dense cedar & Piñon

10.00 Ascend gradually

16.00 Enter open Park.

22.00 Enter dense cedar & Piñon

29.50 Descend abruptly.
 Lime ledge.

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Subdivision T. 28 N. R. 6 E

- chs
 33.50 Ascend gradually
 over lime ledge
- 40.00 Set a limestone $17 \times 13 \times$
 6 ins in ground
 for $\frac{1}{4}$ sec cor bet. secs
 32 and 33 marked $\frac{1}{4}$ S.
 on W. face, from which
 A Piñon 12 ins in diam
 brs N. $16^{\circ} 30'$ W. 26 lks dist
 marked $\frac{1}{4}$ S 32 B.Y.
 A Piñon 14 ins in diam
 brs S $75^{\circ} 45'$ E 44 lks dist
 marked $\frac{1}{4}$ S 33 B.Y.
 Ascend gradually
 over rocky ground
- 76.00 Enter open park
- 80.00 Set a limestone $30 \times 16 \times 6$ ins
 21 ins in ground for cor
 of secs 28, 29, 32 and 33
 marked with 1 notch on S

Subdivision T. 28 N. R. 6 E

7

chs

and 4 notches on E. edges -
from whichA Piñon 10 ins in diam
br. N. $81^{\circ} 10'$ It 261 lks dist
marked,

T. 28 N. R. 6 E. Sec 29 B. G.

A Piñon 8 ins in diam br. S.
 48° It 168 lks dist marked

T. 28 N. R. 6 E. S 32 B. G.

No other trees within limit.

Soil 4th rate.Formation Volcanic Lime
Character mountainous

18.00 chs open ground

66.99 chs Heavy timber Dense brush.

84.99 chs Mountainous,
in characterN. $0^{\circ} 3'$ It bet. sec 28 + 29
Open Park

Subdivision

chc	
9.00	Enter dense Cedar + Piñon Ascend gradually - rocky.
40.00	Set a limestone 17X14X5 in 11 in in ground for $\frac{1}{4}$ sec. cor bet secs 28 + 29 marked $\frac{1}{4}$ S. on W. face, from which A Piñon 8 in indian brs S $80^{\circ}30'$ E 47 lks dist marked $\frac{1}{4}$ S. 28 B.Y. A Piñon 10 in indian brs S. 32° W. 66 lks dist marked $\frac{1}{4}$ S. 29 B.Y. Ascend gradually - rocky.
66.00	Descend gradually
73.50	Descend rapidly
76.00	Descend gradually and enter open park
80.00	Set a Piñon post 3 ft long 4 in sq with marked stone 24 in in ground for cor. of

G. 28 N. R. 6 E. Cont'd

chs

secs 20, 21, 28 and 29, marked

728 N. S 21 on N. E. face

R 6 E S 28 on S. E. "

S 29 on S W "

S 20 on N W "

With 2 notches on S + N on

Edges, dig pits 18X18X12 ins

in each sec 5 1/2 ft dist +

raise mid. of earth 4 ft base

2 ft high W. of cor.

Soil 3rd rate

Formation Volcanic Lime

Character mountainous

14.00 chs open park

67.13 chs Heavy timber dense
brush,

81.13 chs mountainous
in character

Subdivision

hrs

N. $0^{\circ}3'$ W. bet sec 20 and 21

Open park - level

9.00

Enter dense Cedar and
Piñon - Rocky.

20.00

Large open park just W.

40.00

Set a limestone $16 \times 14 \times 7$ ins.11 ins in ground for
 $\frac{1}{4}$ sec cor. bet sec 20 + 21
marked $\frac{1}{4}$ S on W. face
from whichA Piñon 10 ins diam br
N. $51^{\circ}30'$ W - 125 lks dist, marked
 $\frac{1}{4}$ S 20 B.G.A Piñon 12 ins diam br
N. $84^{\circ}45'$ E 183 lks dist -
marked $\frac{1}{4}$ S 21 B.G.Ascending slightly
Rocky.

80.00

Set a Piñon post 3 ft long
4 ins eq, 24 ins in ground

Y. 28 N. R. 6 E. Cont'd

chc

for cor of secs 16, 17, 20 & 21, marked
 Y. 28 N. S. 16 on N.E. face
 R. 6 E S. 21 on S.E. "
 S. 20 on S W " and
 S S 17 on N W " with
 three notches on S and 4 notches
 on E edges, from which
 a Pinon 10 ins diam brs
 N. 33° W 82 lks dist marked
 Y. 28 N. R. 6 E S. 17 B. T.
 a Pinon 10 ins diam brs
 N. $90^{\circ} 15'$ E 21 lks dist, marked
 Y. 28 N. R. 6 E S. 16 B. T.
 a Pinon 8 ins diam brs
 S. $17^{\circ} 45'$ E, 106 lks dist marked
 Y. 28 N. R. 6 E S. 21 B. T.
 a Pinon 8 ins diam brs
 S $32^{\circ} 15'$ W. 77 lks dist marked
 Y. 28 N. R. 6 E S. 20 B. T.
 Soil 4th rate.

Subdivision

chs

Formation Volcanic Line

Character mountainous

9.00 chs open ground

76.94 chs Heavy timber Dense brush

85.94 chs Mountainous
in characterN. $0^{\circ} 3' W.$ bet sec 16 + 17

Ascend gradually - Rocky

Dense cedar and Piñon

20.00 Level - rocky

40.00 Set a Piñon post 3 ft long

3 ins sq 24 ins in ground

for $\frac{1}{4}$ sec cor bet sec 16 + 17

marked 14 & 17 on W face

and 816 on E face from which

a Piñon 18 ins diam tree

N. $42^{\circ} 15' E$ 13 lks dist marked

14 & 16 B. Y.

a Piñon 8 ins in diam

Y. 28 N. R 6 E - Cont'd

13

- chs
 bre S. 66° 30' W. 38 lks dist
 marked 1/4 S 17 B.Y.
 Level + rocky
- 66.00 Enter open park
- 70.00 Enter dense Cedar + Piñon
 Level and rocky
- 80.00 Set a Piñon post 3ft long
 4 ins sq. 24 ins in ground
 for corners 8, 9, 16 + 17 marked
 Y. 28 N. S 9 on N.E. face
 R 6 E S 16 on S E "
 S 17 on S W "
 S 8 on N W. face
 with 4 notches on S + 4
 on E edges, from which
 a Piñon 10 in diam bre
 S 65° 45' W 140 lks dist marked
 Y 28 N. R 6 E S 17 B.Y.
 a Piñon 8 in diam bre
 N. 52° 30' W 35 lks dist, marked

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Subdivision

chs

T. 28 N. R. 6 E. S. 8 B. Y.

A cedar 24 ins diam brs
S $30^{\circ}30'E$ 102 lks dist, marked

T. 28 N. R. 6 E. S. 16 B. Y.

A Piñon 14 ins diam brs
N. $27^{\circ}45'E$ 100 lks dist, marked

T. 28 N. R. 6 E. S. 9 B. Y.

Soil 4th rate

Formation Volcanic Linn

Character mountainous

5.00 chs open park

79.28 chs Heavy timber, Dense brush

84.28 chs mountainous
in character.N. $0^{\circ}3'$ It bet secs 8 and 9Dense Cedar + Piñon
Level

19.00

Descend rapidly

24.00

Cross road brs E + It^{by} and
ascend rapidly

Y. 28 N. R. 6 E. Continued

- elev
 31.00 Rolling ground
 40.00 Set a Piñon frost 3 ft long
 3 ins sq. 24 ins in ground
 for $\frac{1}{4}$ sec cor bet secs
 8 and 9 marked $\frac{1}{4}$ S 8 on W.
 face and S 9 on E face
 from which
 A cedar 24 ins in diam
 brs S 28° 15' W 36 lbs dist.
 marked $\frac{1}{4}$ S 8 B.T.
 A Piñon 10 ins diam brs
 S 44° 45' E 105 lbs dist mark-
 ed $\frac{1}{4}$ S 9 B.T.
 Level
 45.00 Descend rapidly
 5-2.5-0 Cross trail brs E + W²⁴ and
 ascend rapidly
 62.00 Ascend gradually
 69.00 Level
 80.00 Set limestone 18 x 14 x 8 ins 12 ins

Subdivision

chs

in ground for cor sees
4, 5, 8 and 9 marked with
5 notches on S. and 4 notches
on E. edges, from which

A Piñon 10 ins diam brs
N. $60^{\circ} 30'$ W. 63 lks dist marked
Y. 28 N. R. 6 E. S. 5 B. Y.

A Piñon 10 ins diam brs
S $54^{\circ} 30'$ E 29 lks. dist. marked
Y. 28 N. R. 6 E. S. 9 B. Y.

A Piñon 12 ins diam brs
N. $8^{\circ} 30'$ E 14 lks dist marked
Y. 28 N. R. 6 E. S. 4 B. Y.

A Piñon 6 ins diam brs
S $62^{\circ} 15'$ W. 72 lks dist marked
Y. 28 N. R. 6 E. S. 8 B. Y.

Soil 4th rate

Formation volcanic line
Character mountainous
83.19 chs Heavy timber +

9.28 N. R. 6 E. Cont'd

cls

Dense brush

83.19 chs mountainous.
in character.

N. 0° 3' W bet secs 4 and 5 on
true line

Level

2.00 Descend abruptly over line
cliffs.

8.00 Cross wash course E.^{ly}

9.00 Cross road bet E. and W.^{ly}

16.5-0 Edge of line bluff, Descend
gradually along rocky E. slope.

23.00 Ascend gradually.

30.00 Level

40.00 Set a Piñon post 3 ft long
3 ins sq. 24 ins in ground
for 1/4 sec. cor. bet. secs 4 and 5-
marked 1/4 S. 5 on W. face
and S 4 on E. face from which

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Subdivision

chs

A cedar 10 ins in diam
 brs N. 89° W 41 lks dist mark.
 ed $\frac{1}{4}$ S. 5-13.5.

A Piñon 6 ins in diam
 brs N. 84° E 6 lks. dist
 marked $\frac{1}{4}$ S. 4 13.5.

Rocky

46.25-

Cross wash course E. $\frac{1}{4}$ Dense Cedar ^{and} Piñon

80.00

Intersect 7th Standard
 Parallel N. at 12.48 chs W.
 of the S.C. to sec 32 and 33
 T. 29 N. R 6 E.

At 12.48 chs W. of the S.C. to
 sec 32 + 33 I set a pine post
 3 ft long 4 ins sq. 24 ins in
 ground for closing cor of
 secs 4 and 5, marked
 C. C. T 28 N. R 6 E on S.
 S. 4 on E, S. 5 on W, faces

T. 28 N. R. 6 E. Cont'd

cls

with 4 grooves on E and
2 grooves on W faces, from which
A Piñon 10 ins diam tree

S. 39° 45' W 43 lks dist marked

T. 28 N. R. 6 E. S. 5 B. Y.

A Piñon 10 ins in diam tree

S. 38° 30' E 120 lks. dist. marked

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

Soil 4th rate, rocky.

Formation volcanic line

Character mountainous

82.10 cho Heavy timber,

dense brush.

82.10 cho ^{in character} mountainous

12.48 cho connecting line

heavy timber

Sept. 5-1900 at 7 A.M. first
lay off 35° 44' on lat arc

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Subdivision

cls

and $6^{\circ} 5' 3''$ N. on decl. arc
and determine the true
meridian with the solar
at the cor of secs 5, 6, 31 and 32
Tps 27 and 28 N. R. 6 E.

Thence I run
N. $0^{\circ} 3'$ W. bet secs 31 and
32.

Ascend gradually. Rocky
Dense cedar and Pinon

8.00

Descend gradually. Rocky

22.00

Ascend gradually. Rocky

31.00

Descend gradually. Rocky

40.00

Set a limestone $28 \times 10 \times 8$ ins

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

bet secs 31nd and 32 marked

$\frac{1}{4}$ S on It from which

a Pinon 10 ins diam tree

S. $59^{\circ} 30'$ E 89 links dist-

marked $\frac{1}{4}$ S. 32 B. Y.

T. 28 N. R. 6 E. Continued

chs

A Piñon 8 ins in diam
brs N. $59^{\circ} 30'$ at 65 lks dist
marked 44 S. 31 B. Y.

Descend gradually

64.00

Ascend rapidly

67.00

Descend gradually.

80.00

Set a limestone $24 \times 16 \times 8$ ins
18 ins in ground for cor sees

29, 30, 31^{2nd} and 32 marked with
1 notch on S. and 5 on E
edges, from which

A Piñon 10 ins in diam
brs S. $27^{\circ} 45'$ at 44 lks dist marked
T. 28 N. R. 6 E. S. 31 B. Y.

A Piñon 8 ins diam brs
S. $38^{\circ} E$. 97 lks dist marked
T. 28 N. R. 6 E S. 32 B. Y.

A Piñon 12 ins diam brs
N. $48^{\circ} 45'$ at 108 lks dist marked
T. 28 N. R. 6 E. S. 30 B. Y.

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Subdivision

dis

A Piñon 10 ins diam brs
 N. 38° E 84 lks dist marked
 T. 28 N. R. 6 E. S. 29 B. Y.
 Soil rocky + worthless.
 Formation volcanic lime
 Character mountainous
 84.87 chs Heavy timber
 Dense brush.
 84.87 chs mountainous
in character.

E. on a random line bet
 secs 29 and 32

40.00

Set temp. $1/4$ sec. cov.

80.00

Intersect N. + S line 10 lks S
 of cov to secs 29, 30, 31nd 32

Thence I run

S $89^{\circ}56'$ W on true line
 bet secs 29 and 32
 nearly level - rocky.

T. 28 N. R. 6 E - Continued

che	Dense Cedar and Piñon
15.00	Large open park just N.
40.00	Set a Piñon post 3 ft long 3 ins sq. 24 ins in ground for $\frac{1}{4}$ sec. cor. bet. secs 29 and 32 marked $\frac{1}{4}$ S. 29 on N. face and S. 32 on S. face, from which a Piñon 10 ins diam bore N. $76^{\circ} 30'$ W 112 lks dist marked $\frac{1}{4}$ S. 29 B. Y. a Piñon 12 ins diam bore S $5^{\circ} 30'$ W 134 lks dist, marked $\frac{1}{4}$ S. 32 B. Y. Level
70.00	Small park just N. Descend gradually. Rocky
80.00	Cor of secs 29, 30 31 and 32 Soil 4 th rate Formation volcanic lime Character mountainous

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Subdivision

chs

82.46 chs Heavy timber
Dense Brush.82.46 chs mountainous
in character.It. on random line bet
secs 30 and 3140.00 Set temp $\frac{1}{4}$ sec cor78.35 Intersect It bdy 5 lks Sof cor
to secs 25, 30, 31 and 36.

Thence I run

S. 89.58 E on true line bet
secs 30 and 31

Level.

38.35

Dense Cedar and Piñon
Set limestone 18X14X6 ins
12 ins in ground for $\frac{1}{4}$ sec
cor bet secs 30 and 31 marked
 $\frac{1}{4}$ S on N. face, from which

T. 28 N. R. 6 E. Continued

cls

A Piñon 10 ins in diam brs
N. $77^{\circ}30'E$. 21 lks dist marked
 $\frac{1}{4}$ S. 30 B. Y.

A Piñon 12 ins diam brs
S $32^{\circ}15'W$ 118 lks dist marked
 $\frac{1}{4}$ S. 31 B. Y.

Level

Enter dense Cedar ^{2nd} Piñon fire
swoft. standing ^{2nd} fallen

63.50 Enter dense live Cedar and Piñon

Descend gradually - Rocky.

69.50 Descend rapidly - Rocky

72.50 Ascend gradually - Rocky

78.35 The cov. sec 29, 30, 31 ^{2nd} 32Soil 4th rate

Formation volcanic lime

Character mountainous

79.74 chs Heavy timber Dense brush

79.74 chs. Mountainous
in character

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Subdivision

ch

Sept 5, at 12 M. l. m. t. I lay off
 6° 47' N on decl arc and find
 lat to be 36° 45' N. At 1 h. l. m. t.
 with 35° 45' N. on lat arc
 and 6° 47' N on decl arc I
 determine the true merid-
 ian, with the solar at
 the cor of secs 29, 30, 31 & 32.

Thence I run

N. 0° 3' W. bet secs 29 and 30

Rolling ground

Dense Cedar and Pinon - Rocky

40.00

Set a Pinon post 3 ft long
 3 ins sq 24 ins in ground
 for 1/4 sec cor bet secs 29 & 30
 marked 1/4 S. 30 on W. face
 and S. 29 on E. face, from which
 a Cedar 6 ins diam br
 S. 68° W. 5-3 lks dist marked
 1/4 S 30 13. 9.

Y. 28 N. R. 6 E. - Continued

cho

A Cedar 9 ins diam brs
S $10^{\circ} 30'$ E 292 lks dist
marked 1/4 S. 29 B. Y.

Enter open park.

70.00 Leave open park and enter
dense cedar and Piñon
Level.

80.00 Set cedar post 3 ft long 4 ins
sq. 24 ins in ground for cor
of secs 19, 20, 29 + 30 marked
Y. 28 N. S 20 on N.E. face
R 6 E. S 29 on S.E. "
S 30 on S.W. "
S 19 on N.W. "

with 2 notches on S and S.
on E edges, from which
A Piñon 12 ins in diam brs
S. 35° E 192 lks dist marked
Y. 28 N. R. 6 E. S. 29 B. Y.
A cedar 12 ins in diam brs

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Subdivision

chs

N 4° 30' E 189 lks dist marked.
 Y. 28 N. R. 6 E. S. 20 B. Y.
 No other trees within limit
 Soil 2nd rate.

Formation volcanic line
 Character mountainous
 30.00 chs Open park.

57.26 chs Heavy timber. dense
 brush.

87.26 chs mountainous
in character.

N. 89° 56' E on a random line
 bet. secs 20 and 29.

40.00

Sit temp 1/4 sec cov.

80.00

Intersect N. + S line 19 lks N.
 of cov to secs 28, 29, 20 + 21
 Hence I run

N 89° 56' N on true line
 bet secs 20 and 29
 Descend slightly

T. 28 N. R. 6 E - Continued

elso	Open park.
2,50	Ascend abruptly.
3,50	Enter dense Cedar and Piñon Descend slightly
25,00	Open park just N.
40,00	Set a limestone 6x10x5 ins 11 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 Piñon 12 in in diam brs S 36° 45' W 38 lks dist marked, $\frac{1}{4}$ S. 29 B. T. a Piñon 7 in in diam brs N. 87° 15' W 19 lks dist marked $\frac{1}{4}$ S. 20 B. T. Descend gradually
80,00	The cor of secs 19, 20, 29 + 30 Soil 3 rd rate Formation volcanic lime Character mountainous

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BOOK 563

Subdivisions

chs	
	3.50 chs open ground.
	77.02 chs heavy timber Dense brush.
	80.52 chs mountainous <u>in character.</u>
	N 89° 5-8' W on random line bet secs. 19 and 30
40.00	Set temp 1/4 sec cor.
78.20	Intersect W. bdy 5 lks N. of cor to secs 19, 24, 25 + 30 Thence run E on true line bet secs 19 and 30 Level Dense Cedar and Pinon
3.00	Enter open park
15.00	Enter dense Cedar and Pinon
37.50	Enter open park
38.20	Set Pinon post 3 ft long 3 ins eq 24 ins in ground

Y 28 N. R. 6 E. - Cont'd

chs

for $\frac{1}{4}$ sec cor bet sec 19 + 30
 marked $\frac{1}{4}$ S 19 on N. face
 and S. 30 on S face from which
 A cedar 10 in diam bre
 S $21^{\circ}45'$ W - 285 lks dist
 marked $\frac{1}{4}$ S 30 B. Y.

No other trees within limit

78.20

The cor to sec 19, 20, 29 + 30
 Soil 2nd rate

Formation volcanic line

Character mountainous

52.70 chs open ground

28.35 Heavy timber. Dense brush.

81.05 - Mountainous
in character.

Sept 6, 7 A. M. I, M. T. I lay
 off $35^{\circ}46'$ N on lat arc and
 $6^{\circ}31'$ N. on decl arc and
 determine true meridian
 with the solar at the cor to

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BOOK 563

Subdivision

also

secs 19, 20, 29 and 30

Thence I run

40' 3" W bit sec 19 and 20

Level

Dense Cedar and Piñon

40.00

Set a Piñon post - 3 ft long
 3 ins sq 24 ins in ground
 for $\frac{1}{4}$ sec cor bet secs 19 + 20
 marked $\frac{1}{4}$ S 19 on W face
 and S 20 on E face, from which
 a Piñon 8 ins diam br N. 77° E.

9 lks dist marked $\frac{1}{4}$ S 20 B. Y.

A Piñon 9 ins diam br S 14° 30' W

39 lks dist marked $\frac{1}{4}$ S 19 B. Y.

Ascend gradually - Rocky

65.00

Descend gradually

70.00

Ascend gradually

80.00

Set limestone 20 x 12 x 8 ins
 15 ins in ground for cor sec
 17, 18, 19 and 20 marked

Y. 28 N. R. 6 E. Cont'd

also

with 3 notches on S. and
5 on E. edges, from which

A Piñon 8 in diameter tree

N. $72^{\circ}45'$ W 43 lks dist, marked

Y. 28 N. R. 6 E. S. 18 B. Y.

A Piñon 7 in diameter tree

S. $73^{\circ}15'$ E. 20 lks dist marked

Y. 28 N. R. 6 E. S. 20 B. Y.

A Piñon 10 in diameter tree

N. $33^{\circ}45'$ E. 71 lks dist. marked

Y. 28 N. R. 6 E. S. 17 B. Y.

A Piñon 8 in diameter tree

S. $33^{\circ}15'$ W 37 lks dist. marked

Y. 28 N. R. 6 E. S. 19 B. Y.

Soil 3rd rate

Formation volcanic line

Character mountainous

82, 19 che Heavy timber Dense brush.

82, 19 che Mountainous
in character

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Subdivision

chis	S. 89°56' E on random line bet secs 17 and 20.
40.00	Set temp 1/4 sec. cov.
80.00	Intersect N. + S. line 9 lks S. of cov to secs 16, 17, 20 + 21 Thence Iron Hon true line bet secs 17 ^{2/4} & 20. Ascend gradually Dense cedar and Pinon ridge.
27.00	Top of low ^{ridge} ridge Descend gradually
30.00	Ascend gradually
38.50	Level
40.00	Set a limestone 16x14x6 ins 11 ins in ground for 1/4 sec cov bet secs 17 and 20 marked 1/4 S. on N. face, from which a cedar 12 ins diam brs N. 36°45' W 12 lks dist marked 1/4 S 17 B.G.

T. 28 N. R. 6 E. Cont'd

chs

A Piñon *quercifolia* tree
 S 69° 45' W 32 lks dist
 marked 1/4 S. 20 B. T.

Ascend gradually. Rocky

71.00

Descend rocky slope

77.00

Ascend lime slope.

80.00

Cov of secs 17, 18, 19 and 20.

Soil worthless, rocky

Formation volcanic lime

Character mountainous

80.44chs Heavy timber

dense brush

80.44chs mountainous
in character.

W. on random line

bet secs 18 and 19

40.00

Set temp 1/4 sec. cov.

78.20

Intersect W. bdy of T. 28 N.

7 lks S. of cov. to secs

13, 18, 19 and 24.

Subdivision

chs	
	Thence I run
	S $89^{\circ} 57'$ E on true line
	bet secs 18 and 19
	Ascend gradually
	Dense cedar and Piñon
8.00	Descend rapidly
13.00	Ascend rapidly - Rocky
18.00	Descend rapidly - Rocky
23.00	Ascend rapidly - Rocky
27.00	Descend gradually
38.20	Set a Piñon post 3 ft long
	3 ins sq, 24 ins in ground
	for $\frac{1}{4}$ sec cor bet. secs 18 th and 19
	marked $\frac{1}{4}$ S 18 on N. face
	and S. 19 on S face, from which
	A Piñon 10 ins diam br
	S $59^{\circ} 45'$ at 4 lks distant
	marked $\frac{1}{4}$ S 19 B.S.
	A Piñon 8 ins diam br
	N. $32^{\circ} 30'$ E 47 lks dist-

Y. 28 N. R. 6 E. Cont'd

chs	marked 1/4 8, 18, 13, 7.
	Descend gradually
45.00	Descend rapidly - Rocky
48.00	Descend gradually
58.00	Ascend gradually - Rocky
62.00	Level
66.00	Descend gradually - Rocky
68.00	Level - Rocky
78.20	The cov to secs, 17, 18, 19 rd and 20
	Soil rocky and worthless
	Formation volcanic like
	Character mountainous
	78.71 chs Heavy timber -
	dense brush
	78.71 chs mountainous
	<u>in character</u>
	N. 0° 3' Hit sec 17 and 18
	Ascend gradually - Rocky
	Dense Cedar and Piñon
40.00	A cedar tree 18 in diam

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Subdivision

chs

for $\frac{1}{4}$ sec cor bet secs 17+18
marked $\frac{1}{4}$ S 18 on W side
and S 17 on E. side, from
which,

A Pinon 12 ins diam brs
N. $68^{\circ} 15'$ E 44 lks dist
marked $\frac{1}{4}$ S. 17 B. Y.

A Pinon 8 ins diam brs
N. $53^{\circ} 30'$ W 18 lks dist
marked $\frac{1}{4}$ S. 18 B. Y.

Ascend gradually - Rocky
Level

70.00

80.00

Set a Pinon post 3 ft long
4 ins eq 24 ins in ground
for cor of secs 7, 8, 17 and 18
marked 7.28 N. S. 8 on N.E.
R 6 E S 17 on S.E.

S 18 on S W and

S. 7 on N W faces with
4 notches on S and 5 notches

Y. 28 N. R. 6 E — Cont'd

chs

on E. edges, from which
 a Piñon 10 ins diam tree
 N. 42° W, 56 lks dist marked
 Y. 28 N. R. 6 E S. 7 B. Y.

a Piñon 12 ins diam tree
 N. $77^{\circ} 30'$ E 20 lks dist marked
 Y. 28 N. R. 6 E. S. 8 B. Y.

a Piñon 7 ins diam tree
 S $52^{\circ} 15'$ W, 26 lks dist marked
 Y. 28 N. R. 6 E. S. 18 B. Y.

a Piñon 8 ins diam tree
 S. 20° E. 65 lks dist marked
 Y. 28 N. R. 6 E. S. 17 B. Y.

Soil rocky. 4th rate
 Formation volcanic lime
 Character mountainous
 82.29 chs Heavy timber.
 Dense brush.

82.29 chs Mountainous
in character

40

BOOK 563

Subdivisions

chs

On random line
bet secs 8 and 17.

40.00

Set temp 1/4 sec cov

80.00

Intersect N and S line
9 lks N. of cov to sec 8, 9, 16 & 17
Thence I run

N 89° 56' W on true line
bet secs 8 and 17

Ascend gradually. Rocky
Dense cedar and Piñon

40.00

Set limestone 16 X 10 X 7 ins
2/3 ins ground for 1/4 sec cov.
bet secs 8 and 17 marked

1/4 S on N. face, from which
a Piñon 8 ins diam brs
S 73° 30' E 110 lks dist marked

1/4 S. 17 B. Y.

a Piñon 10 ins diam brs
N. 80° 30' E. 121 lks dist marked

1/4 S 8 B. Y.

Y. 28 N. R 6 E - Cont'd

chs

Continue to ascend
gradually - Rocky

73.00

Level - Rocky

80.00

The cov of secs 7, 8, 17th and 18
nearly level

Soil 4th rate

Formation Volcanic Lime
Character mountainous

82.31chs Heavy timber
Dense brush

82.31chs mountainous
in character.

N. 89° 5' 7" W on random
line but sec 7 and 18

40.00

Set temp 1/4 sec. cov.

78.10

Intersect lt. bdy of 9/2
at cov to secs 7, 12, 13th and 18

Thence run

S 89° 5' 7" E on true line
but sec 7 and 18

42

BOOK 563

Subdivision

cho

- Nearly level - rocky
Dense cedar and Piñon
- 38.10 Sit Piñon post 3ft long 3ins
sq 24 ins in ground for
1/4 sec cov. bet secs 7 and 18
marked 1/4 S 7 on N face and
S 18 on S. face, from which
A Piñon 6 ins diam bre
S 19° 30' E 7 lks dist, marked
1/4 S 18 B. L.
- A Piñon 10 ins diam bre
N 35° 30' E 17 lks dist marked
1/4 S 7 B. L.
- 78.10 The cov of secs 7, 8, 17 and 18
Soil barren and worthless
Formation volcanic line
Character mountainous
- 78.34 cho Heavy timber. Dense brush
- 78.34 cho mountainous
in character.

Y. 28 N. R 6 E - Cont'd

obs	N 0° 3' W. bet sees 7 and 8 Level - Rocky Dense Cedar and Piñon
3.00	Descend gradually
25.00	Open park to E. and W.
34.30	Cross road b/w E and W ^{ly}
40.00	Set Piñon post 3 ft - long 3 ins sq 24 ins in ground for 1/4 sec cor bet sees 7 th & 8 th marked 1/4 S 7 on W. face and S. 8 on E. face from which a Piñon 8 ins diam bis N 85° 30' W 16 lks dist marked 1/4 S. 7 B.Y.
	a Piñon 10 ins diam bis S. 77° 30' E, 5.6 lks dist marked 1/4 S. 8 B.Y.
	Ascend rapidly
80.00	Set a Piñon post 3 ft - long 4 ins sq 24 ins in ground

44

Subdivision

cls

for corsece 5, 6, 7 and 8
marked,

Y. 28 N. S. 65 on N. E.

R. 6 E. S. 8 on S. E.

S. 7 on SW and

S. 6 on N. W. faces into
5 notches on S and 5 notches
on E. edges, from which

A Piñon 12 ins diam
brs S. $38^{\circ}30'$ W 18 lks dist marked

Y. 28 N. R. 6 E. S. 7 B. T.

A Piñon 6 ins diam brs
S. $36^{\circ}E$. 74 lks dist marked.

Y. 28 N. R. 6 E. S. 8 B. T.

A Piñon 6 ins diam brs
N. $5^{\circ}45'$ W. 29 lks dist marked.

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

A Piñon 8 ins diam brs
N. $5^{\circ}15'$ E 67 lks dist marked

Y. 28 N. R. 6 E. S. 5 B. T.

Y. 28 N. R 6 E. Cont'd

chs

Soil 4th rate. Rocky
Formation volcanic line
character mountainous

\$2.60 chs heavy timber. Dense brush

\$2.60 chs Mountainous
in character.

S. 89° 5' 6" E on random line
bet sec 5 and 8

40.00

Set temp 1/4 sec cov

80.00

Intersect N. + S line 14 lks S. of
cov to sec. 4, 5, 8 and 9.

Thence I run

S. 89.5-8 W on true line bet
sec 5 and 8

Descend gradually. Rocky
Dense Cedar and Piñon.

5.00

Ascend gradually.

13.00

Descend gradually.

17.00

Ascend gradually. Rocky

33.00

Descend gradually.

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BOOK 563

Subdivision

- chs
 40.00 Set a Piñon post 3ft-long
 3ins sq 24ins in ground
 for 1/4 sec. cov. trees 5 and 8.
 marked 1/4 S. 5 on N. face
 and S. 8 on S face, from which
 a Piñon 10 in diam br
 S 5-9° 45' N. 20 lks dist-
 marked 1/4 S. 8 B. T.
 a Piñon 8 ins diam br
 N. 19° 15' W. 40 lks dist-marked
 1/4 S. 5 B. T.
 Descend gradually - Rocky
 44.75 Cross trail br N. and S.
 Ascend gradually
 62.00 Descend gradually
 80.00 Cov of secs 5, 6, 7 and 8
 Rocky and rolling
 No. soil
 Formation volcanic line
 Character mountainous

Y. 28 N. R. 6 E. Cont'd

chs	80.60chs Heavy timber, Dense brush, 80.60chs Mountainous <u>in character.</u>
	N. $89^{\circ}57'$ W on a random line bet secs 6 and 7
40.00	Set temp $\frac{1}{4}$ sec, cor.
77.90	Intersect N. bdy of T _p 12 lks N of cor to secs 1, 6, 7 and 12 Thence I run S $89^{\circ}58'$ E on true line bet secs 6 and 7 Land rolling Dense Cedar ^{2nd} Pinon Descend. gradually
10.90	Enter open park Descend gradually
24.40	Cross trail bet N. and S. Enter dense Cedar ^{2nd} Pinon Level - Rocky

48

BOOK 563

Subdivision

- | | |
|-------|---|
| chc | |
| 33.90 | Descend gradually. |
| 37.90 | Set Piñon post 3ft long
3ins sq 24 ins in ground
for $\frac{1}{4}$ sec. cor. bet secs 6 & 7
marked $\frac{1}{4}$ S. 6 on N. face
and S. 7 on S. face, from
which
A Pine tree 20 ins diam
brs S $18^{\circ} 45'$ E 77 lks dist-
marked $\frac{1}{4}$ S. 7 B. T.
No other trees in
limito |
| 39.40 | Ascend gradually
Cross road bet N + S
Ascend rapidly. |
| 44.90 | Level |
| 77.90 | The cor of secs 5, 6, 7 and 8
Soil $\frac{1}{4}$ <u>th</u> rate
Formation volcanic
lime |

Y 28 N. R 6 E Cont'd

chs

character mountainous

13.50 chs Open park

66.17 chs Heavy timber.

Dense brush.

78.67 chs Mountainous
in character.

Sept 6 at 12 M. I met Day
off $6^{\circ} 25' N.$ on decl arc and
find lat to be $35^{\circ} 48' N.$

At 1 h P.M. with lat arc
 $35^{\circ} 48' N$ and decl arc $6^{\circ} 25' N$

I determine the true
Meridian with the
Solar at cor to secs
5, 6, 7 and 8

Thence I run
 $N. 8^{\circ} 3' W$ on true line
hit secs 5 and 6

Ascend gradually

5-0

Subdivision

cls	
	Rocky
5.05	Descend gradually
10.05	Ascend gradually
18.05	Descend rapidly
25.05	Level
28.05	Cross road brs Easterly and Westerly
30.05	Ascend abruptly over lime bluffs
37.05	Ascend gradually
40.00	Set limestone 14 x 12 x 6 ins 9 ins in ground for 1/4 sec cov bet- wee 5 and 6 marked 1/4 S on N. face, from which A Piñon 10 ins in diam brs N. 60° W 13 lbs dist marked 1/4 S. 613.5. A Piñon 10 ins in

T. 28 N. R. 6 E. Could

chs

diam brs N. $44^{\circ} 30' E$

34 chs dist marked

$\frac{1}{4}$ S. 5-13. 9.

50.05

Ascend gradually
Dense Cedar and
Piñon

80.05

Intersect 7^{th} Standard
Parallel North at 12.48 chs
W of S. C. to secs 31 and 32
T. 29 N. R. 6 E

at 12.48 chs W of S. C. to
secs 31 and 32

T. 29 N. R. 6 E I set
a Piñon post 3 ft long
4 ins sq 24 ins in
ground for closing
corner to secs 5 and 6
marked C. C. T. 28 N.

R. 6 E. on S,

and S 5 on E or S. 6 on W

5-2

BOOK 563

Subdivision T. 28 N. R. 6 E
cls

faces, with
3 grooves on E
and 1 groove on W
~~edges~~. faces -
from which
a Pinon 8 ins
diam brs S. 34° 15' W.
95 lks dist-
marked

Tp. 28 N., R. 6 E. T. 6 D.T.

a Pinon 10 ins
diam brs
S. 41° 15' E, 78 lks
distant
marked

Tp. 28 N., R. 6 E. T. 5 D.T.

Sail 4th rate
Rocky

Subdivisions T. 28 N, R. 6, E.
 Chs.

Formation volcanic lime

Character mountainous.

82.25 Chs. Heavy timber, dense brush.

82.25 Chs. Mountainous in Character.

General Description

The grass is fair in pines and openings, poor in dense cedar and pinon.

The elevation is about 7,000 ft. in the lowest part of the south part and about 8,000 ft. in the highest of the north part of the township.

The formation is volcanic lime which flooded the

54

BOOK 563

Subdivisions T. 28 N., R. 6, E.

cho

land and when cool
broke into rough and
jagged rocks.

The soil is volcanic
ash and decayed vegeta-
tion - very thin except
in washes.

The whole is covered
with dense timber and
heavy brush excepting in
small portions.

No water.

Mineral signs poor.

The mean magnetic
declination as determined
by solar observations
and corrected as per
table on page 100, man-

Subdivisions T. 28, N., R. 6, E. 55
chs.

nal of surveying instructions,
tions, is $N 13^{\circ} 10' E$.

Lewis Wolfley
U.S. Dpt. Surveyor

BOOK 563

For final catho see Book
"J." T. 27, N., R. 4, E.

BOOK 563

A P P R O V A L.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona.

March 1st 1901.

The foregoing field notes of the survey of Tract Tp. 28 N. R. 6 E
Area of Salt River Base E. M. S.
 executed by Lewis Welfley D. S.
 under his contract No. 72, dated June 13.
_____, 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 Brust

U. S. Surveyor General for Arizona