

"A." (2) BOOK 1367

Exp 2

East Bdy. T. 28 N. R 5 E Continued.	49
West " T. 28 N. R 5 E	52
South " " " " " "	66.
Frag. S. Bdy. T. 28 N. R 6 E	80
South Bdy. T. 28 N. R 4 E	85
East Bdy. T. 27 N. R 5 E. Frag.	87
West " T. 27 N. R 5 E	90

Wolfley D.S.

1367

BOOK 1367

4-978

BOOK 1367

FIELD NOTES
GENERAL LAND OFFICE.

No. 1367



No. 1367

No. 1367

BOOK 1367

48

Field Notes
of the Survey of a Fraction
of the East, and the West and
South Boundaries of T. 28 N. R. 5 E.

Fractional South Boundary

T. 28 N. R. 6 E.

Fractional East Boundary

T. 27 N. R. 5 E.

Fractional West Boundary

T. 27 N. R. 5 E.

Fractional South Boundary

T. 28 N. R. 4 E.

Commencing Aug 30 - 1900

Ending Sept 19 - 1900

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

East boundary T. 28 N. R. 5 E. Cont'd

Chains

16.00 Ascend gradually - rocky

26.00 Level

35.00 Large Open Park just East.

40.00 Set a Limestone 22 x 14 x 10 ins -

~~12~~ ins in the ground, for $\frac{1}{4}$ Sec.

Cor. bet Secs. 31 and 36. Marked

 $\frac{1}{4}$ S. ³⁶ on N. face, ^{and S. 31 on E. face} from which

A Cedar 8 ins. dia. lies S. 47° 45' E.

40 lbs. dist. marked -

 $\frac{1}{4}$ S. 31. B.T.

A Piñon 12 ins. dia. lies N. 10° 30' W.

30 lbs. dist. marked

 $\frac{1}{4}$ S. 36. B.T.

69.00 enter Open "Park"

77.00 leave Open Park enter Dense Cedar & Piñon

80.00 Set a Limestone 24 x 18 x 10 ins 12

ins in the ground. for Cor. of

Tps 28 and 27 N. Rs. 5 and 6 E.

Marked with 6 notches on each edge. from which -

East boundary T. 28 N. R. 5 E. Cont^d
 hains

A Cedar 18 ins. dia. hrs. N. 20° E.

149 lbs. dist. Marked

T. 28 N. R. 6 E. S. 31. B. T.

A Pinon 12 ins. dia. hrs. N. 51° W.

223 lbs. - dist. Marked

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

A Pinon 8 ins. dia. hrs. S. 59° 15' W.

197 lbs. dist. - Marked

T. 27 N. R. 5 E. S. 1. B. T.

A Pinon 12 ins. dia. hrs. S. 230° E.

121 lbs. dist. - Marked

T. 27 N. R. 6 E. S. 6. B. T.

Soil 13.50 Cbs 3 rate

Soil 66.50 Cbs 4 rate

Formation Volcanic

Character Mountainous

13.50 Cbs. Open ground

74.10 Cbs. Heavy timber dense brush

87.60 Cbs Mountainous in Character

East boundary P. 28 N. R. 5 E. Cont'd

General Description -

Grass is poor owing to the extended drought -

The elevation is from about 7000 ft to 5000 ft. in the Northern portion -

Volcanic Sand has flooded over the ground and where Coal broken into rough and jagged rocks

There is but little Soil except in the low grounds and meadows and it is Volcanic ash and decayed Vegetation. With Water would be good in some portions.

West boundary T. 28 N. R. 5 E.

chain

Beginning at the S.C. to Sp 29 N.
R. 4 and 5 E. which is a stone
finely set in the ground and
witnessed, as described by the
Surveyor General; Iron N.

8.32 lbs. and set a Sine stone
16 x 14 x 7 ins - 8 ins in the ground
for closing Cor. of Sp. 28 N. R. 4
and 5 E. Marked C.C. on S.
with 6 grooves on S. E. and W.
faces, from which -

A Pine Gouge dia. bro. S. 32° E.

107 lbs dist. Marked -

T. 28 N. R. 4 E. S. 6. N. 7.

Thence Iron

S. bet Sec 1 and 6.

Descend gradually an open
draw.

300 Cross Wagon road to NW 1/4 Sec 1

700 Ascend gradually and enter

June 26 ins. in water
90 lbs. dist. marked
T. 28 N. R. 5 E.
Sec. 1, B. 6.

West boundary 7.28 N. R 5 E. Cont^d

- Chain
7.00 Many Pines
- 15.50 Lime stone. One Cedar, Pines
and Many Pines. Sewel
- 40.00 Set a Lime Stone 16x8x5 ins
8 ins in the ground for $\frac{1}{4}$ Sec.
Cor. bet Secs 1 and 6. Marked
 $\frac{1}{4}$ S. on N. face: from which
a Cedar 9 ins. dia. brs. S. $23^{\circ} 5' E$.
27 lbs. dist - Marked
 $\frac{1}{4}$ S. 6. B.T.
- A Piñon 8 ins. dia. brs. S. $9^{\circ} W$.
21 lbs - dist - Marked
 $\frac{1}{4}$ S. 1. B.T.
- 50.00 Set a Limestone 20x10x6 ins
16 ins in the ground for Cor. of
Secs 1-6-7 and 12 Marked
with 1 Notch on N. and 5
Notch on S. Edges, from which
a Pine 18 ins. dia brs. S. $29^{\circ} 20' W$.
136 lbs. dist - Marked

Next boundary T_p. 28N. R. 5E. Cont².

Chains

T_p. 28N. R. 4E. S. 12 B.T.

A Pine 20 ins dia. hrs. S. 22° 45' E.

123 lbs. - dist. - marked

T_p. 28N. R. 5E. S. 7. B.T.

A Pine 16 ins. dia. hrs. N. 64° 30' W.

138 lbs. dist. - marked

T_p. 28N. R. 4E. S. 1. B.T.

A Pine 12 ins. dia. hrs. N. 69° 45' E.

139 lbs. dist. - marked

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

Soil 4 rate rocky

Formation Volcanic lime

Character Mountainous

7.00 Chs. open forest

79.91 Chs. Heavy timber or dense bush

86.91 Chs. Mountainous in character

8.32 Chs. connecting line on stand

and - Dense Cedar and Pines

West boundary T28 N R. 5 E. Cont^d
Chain

August 30th - 7 am. l.m.T. with 36° ii
on lat arc and 9° 04' N. on sec^s
arc. I lay off a true Meridian
Thence I run

S. bet. Dies 7 and 12
dense Cedar-Piñon and Pines
Dense Buck Brush -
Sweet - Rocky

3000 Leave Rocks

4000 Set a limestone 22 x 8 x 6 ins - 16-
ins in the ground, for 1/4 Sec.
Cor. bet Secs. 7 and 12.

Marked 1/4 S. on N. face
from which

1 Piñon 10 ins. dia. less, S. 82° 30' W.

12 lbs dist. Marked 1/4 S. 12 N.T.

1 Piñon 10 ins. dia. less, N. 77° E.

32 lbs dist. Marked 1/4 S. 7. N.T.

5000 Level

6000 Descend gradually

West boundary T. 28 N. R. 5 E. Cont'd

Chains

- 71.50 Cross trail hrs N.E. and S.W. by
- 80.00 Set a limestone $17 \times 12 \times 6$ ins. ^{12 ins} in the ground
for cor. of secs 7, 12, 13 and 18, marked with
4 notches on the S. and 2 notches on N. edge,
from which
- A Pine 20 ins. dia. hrs. N. $35^{\circ} 15'$ W
78 lks dist, marked T. 28 N. R. 4 E.
S. 12 B. T.
- A Pine 8 ins. dia. hrs. N $44^{\circ} 15'$ E. 36
lks dist marked
T. 28 N. R. 5 E. S. 7 B. T.
- A Pine 7 ins. dia. hrs. S $33^{\circ} 45'$ E. 18
lks dist marked
T. 28 N. R. 5 E. S. 18 B. T.
- A Pine 12 ins. dia. hrs. S. $42^{\circ} 30'$ W
110 lks dist marked
T. 28 N. R. 4 E. S. 13 B. T.
- Soil 4th rate
Formation Volcanic line
Character Mountainous.

West Boundary T. 28 N. R. 5-E. Cont'd
chains

82.86 chs Heavy Timber and dense brush.

82.86 chs Mountainous in character.

S. bet. Secs 13 and 18

Dense Cedar, Piñon, and Pines
Level

40.00 Set a Piñon Post 3 ft long 3 ins sq. 24 ins
in the ground for $\frac{1}{4}$ sec. cor. bet. sec. 13 and 18
marked $\frac{1}{4}$ S. 13 on W. face and S. 18 on E. face.
from which

A Piñon 8 ins dia. brs. S. $62^{\circ}45'$ N 34
like dist marked $\frac{1}{4}$ S. 13 R. 1.

A Piñon 5 ins dia brs S 13° E 63 like
dist marked $\frac{1}{4}$ S. 18 R. 1.

Level
descend gradually.

55.00

80.00

Set a Limestone $30 \times 14 \times 8$ ins 15 ins
in the ground for Cor. of Secs. 13, 18, 19 and
24, marked with 3 notches on S. and
N. edges, from which

A Piñon 10 ins dia brs S. 8° E, 34 like dist.

West Boundary T. 28 N. R. 5 E. Cont'd.
chains

marked 1

T. 28 N. R. 5 E. S. 19 B. 1.

A Pinon 10 ins dia br. N $32^{\circ}30'$ E 41 lks
dist, marked

T. 28 N. R. 5 E. S. 18 B. 1.

A Pinon 6 ins dia br. N $74^{\circ}45'$ W 88 lks
dist marked

T. 28 N. R. 4 E. S. 13 B. 1.

A Pinon 5 ins dia br. S. $45^{\circ}45'$ W. 52 lks
dist, marked

T. 28 N. R. 4 E. S. 24 B. 1.

Soil B Rate

Formation Volcanic Lime

Character Mountainous

83.12 chs Heavy Timber and dense Brush.

83.12 chs Mountainous in character.

S. bet Secs 19 and 24

dense Cedar and Pinon

Descend Rapidly - Rocky.

West Boundary T 28 N. R. 5 E. Cont'd
chains

- 3.50 Cross draw cr S.E. ly
- 25.00 Open Park - Descend gradually
- 30.50 Cross trail brs N.W. and S.E. ly
- 40.00 Set a limestone $20 \times 14 \times 10$ ins 15 ins
in the ground for $\frac{1}{4}$ sec. cor. bet.
Secs 19 and 24 marked
 $\frac{1}{4}$ S. on W. face; dug pits $18 \times 18 \times$
12 ins N and S. of stone 3 ft dist and
raised a mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high W of cor.
Descend gradually.
- 52.25 Cross wash cr S.W. ly and ascend
gradually - Rocky.
- 54.00 Leave open park and enter dense
cedar, Piñon and Pine.
- 65.00 Descend gradually
- 78.00 Enter open park
- 80.00 Set a limestone $18 \times 12 \times 5$ ins 12 ins
in the ground with 2 notches on S.
and 4 on N. edges, for cor. of Secs.

Net Boundary T. 28 N. R. 5 E. Cont'd
chains.

19, 24, 25th and 30, from which
A Piñon 14 ins dia br. N 4°30' W 25°3

lks dist marked

T. 28 N. R. 4 E. Sec 24 B.T.

A Piñon 8 ins dia br. N. 62°15' E.

265 lks dist marked

T. 28 N. R. 5 E. S 19 B.T.

No other trees within limits

Soil 4th Rate.

Formation Volcanic Lime.

Character Mountainous.

31 chs. open ground

54.18 chs Heavy Timber and dense Brush

85.18 chs Mountainous in character

"

S. bet Secs 25th and 30

Open park and Level

10.00 Enter dense Cedar and Piñon and
ascend gradually.

20.00 Ascend rapidly - Rocky.

Great Boundary T. 28 N. R. 5-E. Cont'd
chains

40.00 Set a limestone 16 x 8 x 6 ins 10 ins in
the ground for $\frac{1}{4}$ sec cor. bet. Secs
25 and 30 marked $\frac{1}{4}$ S. on N. face,
from which

A Pinon 8 ins dia br. N 76° W
37 lks dit marked $\frac{1}{4}$ S. 25 B. T.

A Pinon 12 ins dia br N 65° E
28 lks dit marked $\frac{1}{4}$ S. 30 B. T.

Continue to ascend rapidly - Rocky

57.00 Ascend gradually

58.00 Descend gently

64.00 Ascend gently

69.00 Descend gently

80.00 Set a limestone 18 x 16 x 10 ins 12 ins
in the ground for cor. Secs. 25, 30, 31
and 36, marked with 1 notch on S.
and 5 notches on N. ^{edges} from which

A Cedar 12 ins dia br. N 55° E
71 lks dit, marked

T. 28 N R 5-E S. 30 B. T.

West Boundary T. 28 N. R. 5 E. Court
chains

A Pinon 10 ins dia brs N 63° W

62 lbs diet, marked

T. 28 N. R. 4 E. S 25° B. T.

A Pinon 12 ins dia brs S 13° W 65°

lbs diet marked

T. 28 N. R. 4 E. S 36° B. T.

A Pinon 12 ins dia brs S. 35° E. 110

lbs diet marked

T. 28 N. R. 5 E. S 31° B. T.

Soil 4th Rate

Formation Volcanic Limestone

Character Mountainous

10 chs open park

73.73 chs. Heavy Timber and Lense Brush

83.73 chs. Mountainous in Character

S. bet. Sec 31 and 36

Lense Cedar and Pinon

Descend gently

40.00 A Cedar tree 5 ins dia for 1/4 sec cor.

Great Boundary T. 28 N. R. 5 E Cont'd
chains.

bet Secs 31nd and 36 marked $\frac{1}{4}$ S
36 on W side and S, 31 on E. side,
from which

A Piñon 8 ins dia brs N 35° E
48 lbs dia dist marked $\frac{1}{4}$ S. 31 B.T.

A Cedar 10 ins dia brs. N $64^{\circ}30'$ W
41 lbs dia dist marked $\frac{1}{4}$ S. 36 B.T.

Descend gently

80.00 Set a limestone $20 \times 12 \times 6$ ins ~~15~~ ins
in the ground for cor of Tps 27 and
28 N. R's 4th and 5th E marked with
6 notches on each edge, from which

A Piñon 7 ins dia brs S. 60° W. 5-2
lbs dia, marked

T. 27 N. R. 4 E. S 1 B.T.

A Piñon 8 ins dia brs N $88^{\circ}45'$ W
84 lbs dia dist marked

T. 28 N. R. 4 E. S 36 B.T.

A Piñon 7 ins dia brs N $39^{\circ}45'$ E.
86 lbs dia dist marked

Neap Boundary T. 28 N. R. 5 E. Cont'd
chains

T. 28 N. R. 5 E S 31 B. T.

A Pinon 6 ins dia hrs S. $18^{\circ}45'$ E

79 lbs diet marked

T. 27 N. R. 5 E S. 6 R. T.

Soil Hth Rate.

Formation Volcanic Line

Character Mountainous

83.90 chs Heavy Timber^{and} dense Brush

83.90 chs Mountainous in Character.

General Description

Grass poor owing to extended drouth

The elevation is from about 7000 ft to 8000 ft in the northern portion.

Volcanic line has flooded over the ground and when cool broken into rough and jagged rocks.

There is but little soil except in the low grounds and washes and it is volcanic ash and

West Boundary T. 28 N R. 5 E. cont'd
chains

decayed vegetation. With
water would be good in
some portions.

No water

Minimal signs for

Scaris Wolfey

ll.s. ~~of~~ Sawpr

South Boundary T. 28 N. R. 5-E

Aug 31st 7 a. m. l. m. t. with decl at
 $8^{\circ}47'$, and lat. $35^{\circ}44'09.2''$ I lay off the true
 Meridian, with the solar at the cor of Tps.
 27 and 28 N. R. 4 and 5-E;

Thence I run E on a random line
 along the S. body of T. 28 N. R. 5-E.
 setting temp $\frac{1}{4}$ sec. and Sec Cor. at
 intervals of 40 chs, and at 478, 30 chs
 intersect the E body at the cor of Tps.
 27 and 28 N. R. 5 and 6 E. 14 lks N
 of cor, which is a limestone heretofore
 described.

The falling answers to a correction
 of $0^{\circ}01'$ or $2\frac{1}{3}$ lks N per mile, therefore
 I run

N $89^{\circ}59'$ W bet Secs. 1 and 36

Dense Cedar and Pinon.

Ascend gradually

10.00 Level - Rocky.

36.00 Enter open park

South Boundary T. 28 N. R 5 E. Cont'd
chains

40.00 Set a Pinon post 3 ft long 3 ins
sq, 24 ins in the ground for $\frac{1}{4}$ sec.
cor bet secs 1 and 36, marked
 $\frac{1}{4}$ S 36 on N and sec 1 on

S face, from which

A Cedar 6 ins dia pres N 33° E

177 lks dist. ^{marked $\frac{1}{4}$ S 36 R.T.} No other trees within
limit

Continue in open park

80.00 Set a limestone $16 \times 12 \times 6$ ins ¹² & ins
in the ground for cor. of Secs 1, 2, 35
and 36 marked with 1 notch on
E and 5 notches on W edges.

Long pits $18 \times 18 \times 12$ ins in each
Sec $5\frac{1}{2}$ ft dist. and raised
mound of earth 4 ft base
2 ft high N of cor.

Soil in park 2^d Rate 44 chs
Soil 4th Rate 36 chs
Formation Volcanic lime

South Boundary T. 28 N. R. 5 E. Cont'd
chains

Character Mountainous

36 chs Heavy Timber and Heavy Brush

81.77 chs. Mountainous in Character

N. 89° 59' W. bet. Sec 2 and 35

Level - Open Park

25.00 Heavy Cedar and Piñon and

Ascend rapidly

35.00 Ascend gradually

40.00 Set Piñon post 3 ft long 3 ins. dia,

24 ins in the ground for $\frac{1}{4}$ sec cor.

bet Sec 2 and 35, - Marked $\frac{1}{4}$ S.

35 on N face and S 2 on S. face,

from which

A Piñon 7 ins dia br. S 21° 45' W

49 lbs dist. Marked $\frac{1}{4}$ S. 2 B.T.

A Piñon 8 ins dia br N. 62° 30' W.

62 lbs dist marked $\frac{1}{4}$ S. 35 B.T.

41.00 Top of Ridge

48.00 Enter open park

South Boundary T 28 N R 5 E Cont'd
chains

50.00 Descend rapidly

58.00 Leave open park and enter dense
Cedar and Piñon.

60.00 Ascend gradually

66.00 Descend gradually and enter
open park.

74.00 Ascend gradually and enter dense cedar
and Piñon.

79.00 Ascend rapidly - Rocky

80.00 Rocky Point

80.00 Set a Limestone 17 X 14 X 12 ins ¹² ins
in the ground for cor. Sec 2, 3, 34 ^{and} 35.
marked with 2 notches on E and 4
notches on N edges, from which
a Piñon 7 ins dia brs N 78° 15' E
74 lbs dist marked
R. 28 N. R. 5 E - Sec 35 - B. 1.
A Piñon 8 ins dia brs S 52° 15' E
79 lbs dist marked
T 27 N. R. 5 E S 2 B. 1.

South Boundary T. 28 N R. 5 E Cont'd
chains

A Pinon 8 ins dia br N $68^{\circ}30'$ W

47 lbs dist marked

T 28 N. R. 5 E. S 34 R. 1.

A Pinon 6 ins dia br S 45° W. 69

lbs dist marked

T 27 N. R. 5 E. S 3 R. 1.

Soil 4th Rate

Formation Volcanic Lime

Character Mountainous.

42 lbs open park

43.80 lbs Heavy Timber and dense Brush

83.80 lbs Mountainous in Character.

"

N. $89^{\circ}5'9''$ W bet Secs 3 and 34

dense Cedar and Pinon

Descend rapidly - Rocky

18.00 Entire open park

23.50 Cross road bet N and S by

32.50 Entire dense Cedar and Pinon

40.00 Set a Pinon post 3 ft long 3 ins dia,

South Boundary T 28 N R 5 E Cont'd
chains.

24 ins in the ground for $\frac{1}{4}$ Sec Cor, bet.
Secs 3 and 34 marked $\frac{1}{4}$ S. 34 on
N face and S 3 on S. face. from which
A Piñon 8 ins dia brs S 32° E 50 lks
dist marked $\frac{1}{4}$ S. 3 B.T.

A Piñon 8 ins dia brs N $21^{\circ}30'$ W
73 lks dist marked $\frac{1}{4}$ S 34 B.T.
and ascend gradually over rocks.

45.00 Descend rapidly - Rocky

47.00 Level - Rocky

64.00 Descend rapidly

72.00 Enter open park

74.00 Level - Rocky

79.28 Cross the Flagstaff and Grand
Canyon stage road. N and S

80.00 Set a Piñon post 3 ft long 4 ins sq;
with a marked stone 24 ins in the
ground for cor of Secs 3, 4, 33 and 34
marked

T 28 N. S 34 on N.E. R 5 E Sec 3
on S.E. —

South Boundary T 26 N. R 5 E. Cont'd
chains

T. 27 N. Sec 4 on S W and Sec 33
on N. W. face with 3 notches
on E and W edges, dug pits
18X18X12 ins in each sec $5\frac{1}{2}$ ft
dist and raised mound of earth
4 ft base 2 ft high N. or Cor.

Soil 4th Rate

Formation Volcanic Lime
Character Mountainous.

22.50 chs open park

58.73 chs Heavy Timber and dense brush

81.23 chs Mountainous in Character.

"

N 89° 59' W, bet Sec 4 and 33

Open Park and Level

10.00 Entire dense Cedar and Piñon.

fire swept burnt trees partly standing
partly fallen. Arcana gradually.

49.00 Set a Piñon post 3 ft long 3 ins.

sq. 24 ins in the ground for $\frac{1}{2}$ Sec Cor.

South Boundary T 28 N. R. 3 E. Cont'd

bet Sec 4 and 33, marked $\frac{1}{4}$ S 4 on
S. face and S 33 on N face; from which
A Pinon 8 ins dia brs N 19° E 308 lbs
dirt, marked $\frac{1}{4}$ S 33 B.T.

A Pinon 8 ins dia brs S. $12^{\circ}30'$ W
226 lbs dirt marked $\frac{1}{4}$ S 4 B.T.

Ascend gradually

55.00 Leave burnt and enter dense live
Cedar and Pinon

66.00 Descend gradually

80.00 Set a Pinon post 3 ft long 4 ins dia,
24 ins in the ground for Cor Sec
4, 5, 32, and 33, marked
T 28 N Sec 33 on N.E.

R 5 E Sec 4 on S. E.

T 27 N Sec 5 on S.W. and

Sec 32 on NW face with 4 notches
on the E and 2 notches on the
W edges; from which

A Pinon 9 ins dia brs S 31° E 48

South Boundary T. 28 N R. 5 E Cont'd
chains

lks dist, marked

T 27 N. R. 5 E. S 4 B. T.

A Cedar 7 ins dia br N $65^{\circ} 15'$ E
45 lks dist, marked

T 28 N R 5-E S 33 B. T.

A Pinon 8 ins dia br N 56° W
82 lks dist marked

T. 28 N R 5 E S 32 B. T.

A Pinon 12 ins dia br. S $74^{\circ} 30'$ W
123 lks dist. marked

T 27 N. R. 5 E. S 5 B. T.

Soil 4th Rate

Formation Volcanic Lime

Character Mountainous

10 chs open park

76.32 chs Heavy Timber ^{and} dense brush

88.32 chs Mountainous in character

South Boundary T. 28 N. R. 5 E. Cont'd
chain

N. $89^{\circ}59'$ W. bet Secs 5 and 32

Level

Dense Cedar and Pinon

20.00 Descend gradually

25.00 Enter open park and ascend gradually

36.00 Enter dense cedar and Pinon.

40.00 Set a limestone $20 \times 16 \times 8$ ins ¹⁵ ins
in the grd for $\frac{1}{4}$ Sec cor bet Secs,
5 and 32, marked $\frac{1}{4}$ S. on N. face,
from which

A Pinon 8 ins dia br. N 45° W. 70
lks dist marked $\frac{1}{4}$ S. 32 B T.

A Pinon 10 ins dia br. S $73^{\circ}45'$ W.
78 lks dist. marked $\frac{1}{4}$ S 5 B T.

Ascend gradually

80.00 Level

80.00 Set a limestone $20 \times 10 \times 6$ ins ¹⁵ ins
in the ground for cor of Secs 5, 6, 31
and 32 with 5 notches on the E and
1 notch on the W edge, from which

South Boundary T 28 N R 5 E. Cont'd
chains

A Pinon 8 ins dia brs N $50^{\circ}15'$ E.

30 lbs diet marked

T 28 N R 5 E. S 32 B.T.

A Pinon 8 ins dia brs. S $67^{\circ}45'$ W

62 lbs diet marked

T 27 N R. 5 E. S. 6 B.T.

A Pinon 10 ins dia brs. N $67^{\circ}30'$ W

93 lbs diet marked

T 28 N R 5 E S 31 B.T.

A Pinon 7 ins dia brs S 54° E

58 lbs diet. marked

T 27 N R 5 E. S 5 B.T.

Soil 4th Rate

Formation Volcanic Lime

Character Mountainous

11 chs open park

72.91 chs Heavy Timber and Dense Brush

83.91 chs Mountainous in Character.

South Boundary T. 28 N. R. 5 E Cont'd
chains

N $89^{\circ}59'$ W. bet. Sec 6 and 31

Level

Dense Cedar and Piñon

- 13.30 Open draw, course S. W. by
- 14.80 Cross trail bet N E by and S. W. by
- 16.30 Enter dense Cedar and Piñon
- 34.30 Ascend gradually
- 40.00 Set a limestone $14 \times 10 \times 6$ ins 9 ins
in the ground for $\frac{1}{4}$ Sec. Cor bet Sec
6 and 31 marked $\frac{1}{4}$ S on N. face, from
which
- A. Piñon 7 ins dia bet N $9^{\circ}15'$ W 66 lke
dit marked $\frac{1}{4}$ S 31 B. T.
- A Piñon 8 ins dia bet S $20^{\circ}15'$ W 21
lke dit marked $\frac{1}{4}$ S 6 B. T.
- Descend gradually
- 64.30 Cross trail bet N by and S by. Enter open draw
- 64.30 Cross open draw course S by
- Descend gently and enter dense Cedar
and Piñon.

South Boundary T 28 N. R 5 E Cont'd
chains

78.30 Cor of Tps 27 and 28 N. R 4 and 5 E
Soil E Rate

Nearly Level

Formation Volcanic Lime

Character Mountainous

7 the open ground

72.17 the Heavy Timber - dense Brush

79.17 the Mountainous in Character.

"

General description:

Grass poor in Cedar and Pine but fair in open ground.

The elevation is about 7,000 ft line being nearly level

Volcanic lime has flooded over the ground and when cool broken into rough and jagged rocks

There is but little soil except in the low grounds and swales and it is volcanic ash and decayed

South Boundary T 28 N R 5 E Cont'd
 vegetation. With water would be
 good in some portions.

Boundaries of T. 28 N. R. 5 E.
 Latitudes, Distances and Closing Errors.

Line Designated	True Bearing	Distance	Subtended Distances		Departures	
			N.	S.	E.	W.
7 th Standard Parallel N.	East	477.92				
E. bdy. T. 28 N. R. 5 E.	South	480.00	480.00			
W. bdy. T. 28 N. R. 5 E.	North	480.00		480.00		
S. bdy. T. 28 N. R. 5 E.	N 89° 59' W	478.30	0.14			478.30
Course			480.14	480.00	0.52	478.30
Course in Lat			480.00	478.44	478.30	478.30
			0.14	0.14		

Survey
 U.S.
 Prosper
 Spt. 1899

South Boundary T 28 N. R 6 E
chains

Sept 2 at 7 a.m. l.m.t. I set off $35^{\circ}44'09''$ N
on lat. arc and $7^{\circ}59'$ N on decl. arc and
determined true meridian with the solar at
the cor of Tps 27 and 28 N and R 5 and
6 E.

Thence I run

E on a true line bet Sec 6 and 31

Hence Cedar and Pinon

Level and Rocky

17 " " Entire open park

36.00 Ascend rapidly - Rocky

38.44 Set a limestone $24 \times 10 \times 5$ ins ¹⁶ ins in
the ground for $\frac{1}{4}$ sec cor bet Sec 6 and 31
marked $\frac{1}{4}$ S on N face; from which
a Pinon 8 ins dia bore N $36^{\circ}15'$ E 81
the dist marked

~~T 28 N R 6 E $\frac{1}{4}$ S. 31 B. T.~~

A Pinon 14 ins dia bore S 86° E 268

the dist marked $\frac{1}{4}$ S 6 B. T.

Continue to ascend rapidly

South Boundary T 28 N R 6 E Cont'd

chains

39.00 Enter dense Cedar and Piñon - Rocky

42.00 Descend gradually - Rocky

49.00 Enter open park

49.40 Level - crossroad b/c N E, End S W by

55.00 Ascend gradually

59.00 Enter dense Cedar and Piñon

78.44 Set a limestone $30 \times 18 \times 8$ ins ~~18~~²⁰ ins
in ground for cor of Sec 5, 6, 31 and 32
marked with 1 notch on N and 3 notches
on E edge, from which

A Piñon 10 ins dia b/c S 28° W 29 lks
dist marked

T. 27 N R 6 E S 6 Q. T.

A Piñon 10 ins dia b/c N $72^{\circ} 30'$ E 58
lks dist marked

T. 28 N R 6 E S 32 Q. T.

A Piñon 8 ins dia b/c N 52° W 55'
lks dist marked

T 28 N R 6 E S 31 Q. T.

A Piñon 6 ins dia b/c S 79° E 87 lks

South Boundary T. 28 N R 6 E Cont'd
chains

dist marked

T 27 N R 6 E S 5 B T.

Soil H^B Rate Rocky

Formation Volcanic Lime

Character Mountainous

32 chs open ground

52.22 chs Heavy timber and dense brush

84.22 chs Mountainous in character

"

E bet Secs 5 and 32

Ascend gradually - Rocky

Dense cedar and Pinon

5.00 Descend abruptly over line ledge

8.00 Ascend abruptly over line ledge

12.00 Along top of line ledge - open
park just S

29.00 Level - leave line ridge - Rocky

40.00 Set a Pinon post 3 ft long 3 ins

off 24 ins in ground for 1/4 Sec W

bet Secs 5 and 32 marked 1/4 S 32

South Boundary T 28 N R 6 E Cont'd
chains

on N face and S 5' on S face; from
which

A Pinon 12 ins dia brs N $1^{\circ}30'$ NE
124 lke dist marked $\frac{1}{4}$ S 32 @ T.

A Pinon 10 ins dia brs S 73° N 74
lke dist marked $\frac{1}{4}$ S 5' @ T.

Level

77.09 descend rapidly

79.09 Level

80.09 Set a limestone $18 \times 14 \times 10$ ins ¹²~~10~~
ins in ground for cor Secs 4, 5, 32
and 33 with 2 notches on the N
and 4 notches on E edge; from which
A cedar 14 ins dia brs S $54^{\circ}15'$ N
199 lke dist marked

T 27 N R 6 E S 5' @ T.

A cedar 16 ins dia brs N $63^{\circ}45'$ N
151 lke dist marked

T 28 N R 6 E S 32 @ T.

A Pinon 14 ins dia brs S $74^{\circ}30'$ E

South Boundary T. 28 N R 6 E Cont'd
chains

150 lks dist marked

T. 27 N R 6 E S 4 B. T.

A Pinon 4 ins dia Me N 41° E 262
lks dist marked

T. 28 N R 6 E S 33 B. T.

April 4th Rate

Formation Volcanic Lime

Character Mountainous

89.62 chs Heavy Timber and dense brush

89.62 Mountainous in character.

My instructions did not authorize me to run an exterior boundary on the East side of this Sp.

W. to the North and East
of Sp. 29 N. R. 6 E,

Swiss Valley
W. S. D. P. S. D. S.

East Boundary T 27 N R 5 E

From the cor of T's 27 and 28 N R 5 and
6 E

I run

S bet Secs 1 and 6

Land Rolling

Scuse Cedar and Pinon

- 7.00 Entire open park
- 40.00 Set a Pinon post 3 ft long 3 ins dia
24 ins in ground for $\frac{1}{4}$ sec cor bet
secs 1 and 6 marked $\frac{1}{4}$ S 1 on W face
and S 6 on E face, from which
A Cedar 7 ins dia bet S $24^{\circ}30'$ E
328 like dist marked $\frac{1}{4}$ S 6 R T.

No other trees within limits

Land rolling

50.00 Level

- 80.00 Set a limestone 18 X 14 X 8 ins
¹² ins in ground for cor of Secs 1, 6, 7,
and 12 with 1 notch on the N and 5
notches on the S. Edges; from which

East Boundary T 27 N R 5 E Contd
Chain

A Cedar 7 ins dia brs S 29° 30' W
101 lbs dirt marked

T 27 N. R 5 E. S 12 B. T.

A cedar 8 in dia brs S 20° 30' E
186 lbs dirt mkd

T 27 N R 6 E S 7 B. T.

No other trees within limit.

Agassiz Peak brs S 14° E

Kendrick Peak brs S 7° 10' W

Soil 2 Rate

Formation Volcanic Linn

Character Mountainous.

73 chs of fire ground

13.15 chs Heavy Timber and Heavy Brush

86.15 chs Mountainous in character.

Next Boundary T 27 N. R 3-E
chain

From The Cor of T's 27 and 28 N
R¹⁰ 4 and 5-E

I run

S bet Sec 1 and 6

Ascend gently

Dense cedar and Piñon

41.00 descend gently

32.50 Enter open draw-cr N by

38.00 Enter dense Cedar and Piñon - ascend
gently

40.00 Set a sandstone 16 x 12 x 3 ins ¹⁰ 8 ins
in ground for $\frac{1}{4}$ Sec cor bet Sec 1 and 6
marked $\frac{1}{4}$ S on N face, from which
A Piñon 5 ins dia brs N 69° E 7
lks dist mkd $\frac{1}{4}$ S 6 B.T.

A Piñon 10 ins dia brs S 36° 15' N
78 lks dist mkd $\frac{1}{4}$ S 1 B.T.

Ascend gently

51.00 descend gently

60.00 ascend gently -

Great Boundary T 27 N R 5 E. Cont'd

chains

64.00 Level

80.00 Set a limestone 22 X 10 X 8 ins 16
ins in ground for ea of Secs 1, 6, 7, 12,
marked with 1 notch on N end & notches
on S edge; from which

A Pinon 10 ins dia brs N $71^{\circ}15' N$

37 lke dist mkt

T. 27 N. R 4 E. S. 1 B. T.

A Pinon 8 ins dia brs N $67^{\circ}30' E$.

37 lke dist mkt

T. 27 N. R 5 E. S. 6 B. T.

A Pinon 6 ins dia brs S. $41^{\circ}45' E$.

76 lke dist mkt

T 27 N R 5 E. S. 7. B. T.

A Pinon 7 ins dia brs S $16^{\circ}45' N$

63 lke dist mkt

T. 27 N R 4 E. S. 12 B. T.

Land nearly level

Soil B Rate

Foundation Volcanic Tuff & Sandstone.

West Boundary T. 27 N R 5 E. Cont'd
chains

Character Mountainous

5.50 chs open ground

77.47 chs Heavy timber and dense brush

82.97 chs. Mountainous in character.

Sept 8th

My instructions did not authorize me to run an exterior on the South of this Tp.

Nor to the South and East of Tp. 27 N. R. 6 E.

Lewis Wolfley
U.S. Dep Surveyor

South Boundary T. 28 N. R. 4 E.

chains

Sept 19 at 7 a.m. l.m.t. I set off $35^{\circ}44'09.2''$
 N on lat arc $1^{\circ}34'$ N on decl arc and
 determined the true Meridian with the
 Solar at the cor of Tps 27 and 28 N
 R's 4 and 5 E.

Thence I run

N on a random line along the
 N body T 28 N R 4 E setting $1/4$
 and sec was at intervals of 40 chs,
 arriving at 479 chs I find that the cor
 to Tps 27 and 28 N R's 3 and 4 E,
 and that the entire N body of T 28
 N. R 4 E had not been completed.

As Deputy Trotter was not then
 ready to run the line it was mutually
 agreed that I should run it and
 account for it as my work. This I
 did and it is hereafter described.

The intersection as made with the cor
 so established was at 476.9 chs and

South Boundary T 28 N R 4 E Cont'd
Chains

30 lbs to the N of the cor.

The falling answers to a correction
of $0^{\circ}02'$ or about 5 lbs S per mile
Therefore I run

N $89^{\circ}58'$ E bet Secs 6 ¹² & 31

Level - Rocky

Scarcely Cedar and Pinon

1.00 Ascend gently

17.00 Level

36.90 Set a limestone $18 \times 10 \times 6$ ins ¹² & ins
in ground for $\frac{1}{4}$ Sec Cor bet Secs 6 ¹² & 31
mkd $\frac{1}{4}$ S on N face, from which
A Pinon 8 ins dia bet N 35° E
& lbs dist mkd $\frac{1}{4}$ S 31 B.T.

A Pinon 16 ins dia bet S 67° E 50 lbs
dist mkd $\frac{1}{4}$ S 6 B.T.

64.50 Across draw cr N 4

76.70 Crossroad bet E 4 and W 4

76.90 Set a limestone $17 \times 10 \times 7$ ins ~~11~~ ins in
ground for Cor Secs 5, 6, 31 ¹¹ & 32 mkd

South Boundary T. 28 N. R. 4 E. Cont'd
 Chains

with 1 notch on W and 5' on E edges,
 from which

A Pinon 9 ins dia tree S 49° E 71 lks
 dist mkd

T 27 N. R 4 E. S 5- B. T.

A Pinon 5 ins dia tree N $62^{\circ}30'$ E
 62 lks dist mkd

T 28 N. R 4 E. S 32 B. T.

A Pinon 9 ins dia tree N. $18^{\circ}15'$ W.
 154 lks dist mkd

T 28 N R 4 E S 31 B. T.

A Pinon 7 ins dia tree S $32^{\circ}30'$ W
 162 lks dist mkd

T 27 N. R 4 E S 6 B. T.

Soil 2 Rate

Formation Volcanic Lime

Character Mountainous

81.97 Chs Heavy timber and dense brush

81.97 Chs. Mountainous in character

South Boundary T 25 N R 4 E Cont'd
chains 4.890381

E bet Sec 5 and 32

Level

Low Cedar and Pinon.

13.30 Crossroad bet NW⁴ and S.E⁴

Ascend gently

30.00 Level

40.00 Set a limestone 14X10X8 ins 9
ins in grad for 1/4 sec Cor bet Sec 5⁴
32 marked 1/4 S on N face, from which
A Pinon 16 ins dia bet N. 58° W 89
like dist marked 1/4 S 32 B.T.

A Pinon 10 ins dia bet S 65° 30' E
68 like dist marked 1/4 S 3 B.T.

Level
Enter pin mark

75.00

80.00

Set a limestone 17X10X10 ins 11 ins
in grad for cor of Sec 4, 5, 32, 33
with 4 notches on E and 2 notches on
N edges and raised mound of stone
2 ft base 1 1/2 ft high ^{at} mark of Cor.
Pits impracticable.

South Boundary T 28 N R 4 E Cont'd
chains

Soil 3^d Rate

Formation Volcanic Tuff

Character Mountainous

5 chs open ground

76.57 chs Heavy Timber and dense Brush

81.57 chs Mountainous in Character

N 89° 58' E bet Sec 4 and 33

Open park - ascend gently

3.00 Enter dense fire swept cedar and
Piñon - Rocky

10.00 Dense live Cedar and Piñon.

15.00 Level - Rocky

35.25 Cross Automobile road Flagstaff
to Grand Cañon - bet N 4 and S 4

40.00 Set a Piñon post 3 ft long 3 ins
d of 24 ins in grad for $\frac{1}{4}$ Sec cor bet
Secs 4 and 33 on W $\frac{1}{4}$ S 33 on N face
and S 4 on S face; from which
a Piñon 7 ins dia Ans N 75° 30' E 95

South Boundary T. 28 N R 4 E Cont'd
chains

lks dist mkd $\frac{1}{4}$ S 33 B.T.

A Pinon 7 ins dia tree S 43° W. 66 lks
dist. mkd $\frac{1}{4}$ S. 4 B.T.

Nearly level - Rocky

80.00 Set a limestone $22 \times 12 \times 5$ ins. 15 ins in
grad for cor of Sec 3, 4, 33 and 34 mkd
with 3 notches on E and W Edges; from
which

A Pinon 10 ins dia tree S 14° E 73 lks
dist mkd

T 27 N R 4 E S 3 B.T.

A Pinon 8 ins dia tree S. 55° W 55
lks dist, mkd

T 27 N R 4 E. S. 4 B.T.

A Pinon 8 ins dia tree N 19° E 79 lks
dist mkd

T 28 N R 4 E S 34 B.T.

A Pinon 9 ins dia tree N $41^{\circ} 30'$ W
145 lks dist. mkd

T. 28 N. R 4 E. S 33 B.T.

No. 1367

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 East, West and South Bldgs. 28 X
RSE South Bldg. T. 28 X R. 4 2d 6d
and E and W. Bldgs. T. 27 X RSE
 executed by Lewis Wallace, D.S.

under his contract No. 77, 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 Christ

U. S. Surveyor General for Arizona