

"B" (3)

T. 29. N., R. 4. E.

(Subdivisions)

by

Lewis Wolfley

BOOK 590

No. 590

4-671

590

FIELD NOTES
GENERAL LAND OFFICE

INDEXED
Indexed, Book 5-91.

Township 29N R. 4E

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No. 590

BOOK 590 571

Subdivisions T 29 N R 4 E Cont'd

Chains

82.38 the Heavy Timber & Cane Bush

82.38 the Mountain character

It on a random line bet
Secs 19 and 20

40.00 bet a temporary 1/4 Sec Cor.

80.00 intersect N body T₂₉ N of
Cor to Secs 19, 24, 25, & 30 which
is a limestone firmly set in the
ground marked with 2 grooves
on S and 4 on N faces, from
which

A Cedar 10 ins dia bet N 78° 15' W
15' the dist marked

T 29 N R 3 E S 24 R. T.

A Piñon 6 ins dia bet S 59° 45' W
17' the dist marked

T 29 N R 3 E S 25 R. T.

A Piñon 6 ins dia bet N 59° 15' E
50' the dist marked

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Subdivision T 29 N R 4 E Cont'd
chains

T 29 N R 4 E S 19 B. T.

A Pine 8 ins dia brs S $78^{\circ}15'$ E

79 lbs dist marked

T 29 N R 4 E S 30 B. T.

Thence I run

N $89^{\circ}36'$ E on a true line

bet Secs 19 and 30

Level

Low Cedar, Pine, scattering Pine

3.75 ascend rapidly - Rocky

Heavy Pine, Low Oak brush

10.00 Cross rocky meadow S⁴ and
ascend rapidly

20.00 Ascend gradually - Rocky

34.00 Level and along S⁴ slope

40.00 Set a line stone 18 x 12 x 6 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 Pine 20 ins dia brs N $19^{\circ}15'$ W

Subdivisions T 29 N R 4 E Carter
Chains

51 the diet marked 1/4 S 19 B. I.

A cedar 14 ins dia brs S 49° 45' E

60 the diet marked 1/4 S 30 B. I.

Descend gradually

42.50 Cross wash er S W^{ly} and

Ascend rapidly

49.00 Descend gradually

57.75 Descend abruptly - Rocky

61.00 Cross wash er S W^{ly} and

Ascend rapidly - Rocky

66.00 Ascend gradually

67.50 Descend abruptly

70.00 Cross rocky wash er S W^{ly} and

Ascend abruptly

76.00 Ascend rapidly

80.00 The cor to sec 19, 20, 29 and 30

Soil 4 rate

Formation Volcanic Lime

Character Mountainous

81.11 the Heavy Timber Lower Brush

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Subdivision T 29 N R 4 E Cont'd
chains

81.11 ch. Mountainous character

No 3. N. bet Dec 19th & 20th
Ascend over rolling rocky breaks
Heavy Pine & some Oak brush

8.50 some Cedar and Piñon

23.00 ascend rapidly

27.20 Cross wash cr S Wly and
Ascend rapidly - Rocky

36.00 Ascend gently - Heavy Pine
in cedar and Piñon

40.00 Set a line stone 16 X 12 X 8 ins

10 ins in ground for 1/4 Sec to
bet Dec 19 and 20 marked

1/4 line N face, from which
a Cedar 6 ins dia bet N 84° E

14 lbs dia marked 1/4 & 20 B. 1.

a Cedar 10 ins dia bet S 23° 30' N

18 lbs dia marked 1/4 & 19 B. 1.

Ascend gently

Subdivision T 29 N R 4 E Twp
chains

53.00 Heavy Pine scattering Oak Brush

56.00 Level

80.00 Red limestone 18 X 10 X 7 ins

12 ins in ground for lot of Sec

17, 18, 19 and 20 marked with

3 notches on S and S 1/2 E

edges, from which

A Pine 22 in dia br N 67° E

22 lbs dia marked

T 29 N R 4 E S 17 B. 1.

A Pine 30 in dia br S 80° E

67 lbs dia marked

T 29 N R 4 E S 20 B. 1.

A Pine 30 in dia br N 63° N

45 lbs dia marked

T 29 N R 4 E S 18 B. 1.

A Pine 12 in dia br S 71° 45' W

100 lbs dia marked

T 29 N R 4 E S 19 B. 1.

Soil 4 rate

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Suburians T & N R4 E Crest of
Main

Formation Volcanic Line
Character Mountainous

83.06 du Heavy timber near Brook

83.06 ch Mountainous character

Oct 19 7 am I met & set off
36° 15' N on lat arc and
99° 52' S on decl arc and de-
termined the true Meridian
with the Solar at the Cir to
Secs. 17, 18, 19 and 20

Thence I run

S. 89° 56' E on a random line
bet Secs 17 and 20

At 10.00 bet a temporary 1/4 Sec Coy

79.90 Intersect N and S line at Cir
of Secs 16, 17, 20 and 21

Thence I run

N 89° 56' W on a true line
bet Secs 17 and 20

Altitude 1294 ft 4 E Cont'd

chains

Ascend gradually over rocky ground

Heavy Pine some Oak Brush

7.00 descend abruptly

22.00 Cross wash cr N N^Wly and ascend gradually - Rocky

39.95 Hit a limestone 14 X 12 X 6 ins
9 ins in ground for $\frac{1}{4}$ Sec Cor bet
Sec 17 and 20 marked $\frac{1}{4}$ S
on N face, from which

A Pine 32 ins dia br S 41° W
48 lbs net marked $\frac{1}{4}$ S 20 S 1.

A Pine 9 ins dia br N 6° 30' E
87 lbs net marked $\frac{1}{4}$ S 17 S 1.

Ascend gradually - Rocky

59.00 Level - Rocky

79.90 The Cor to Sec 17, 18, 19 and 20
Soil 4 rate

Formation Volcanic Fine
Character Mountainous

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Altamirano T 29 N R 4 E Cont'd
chains

81.25 cha Heavy Timber Sec 18

81.26 cha Mountainous character

A 89° 56' N on a random line
bet Secs 18 and 19

40.00 Sec a temporary 1/4 Sec Coy

79.90 Intersect N body of Tp at

Cor to Secs 13, 18, 19 and 24
which is a stone firmly set

in the ground and marked
with 3 notches on S and N
faces, from which

A Pine 36 ins dia br S 20° E

25 lbs dist marked

T 29 N R 4 E S 19 R. 1.

A Cedar 4 ins dia br S 83° N

33 lbs dist marked

T 29 N R 3 E S 24 R. 1.

A Pine 11 ins dia br N 25° E

40 lbs dist marked

~~Subdivision T 29 N R 4 E Cont'd~~
 Chain

T 29 N R 4 E S 18 B. T.

A Pine 20 ins dia br N 23° 45' W

127 lbs ant marked

T 29 N R 3 E S 18 B. T.

Thine 2 run

N 89° 56' E on a true line bet
 Sec 18 and 19

Acacia gradually - Rocky
 Kenai cedar and Pinon

20.00 Acacia gradually - Rocky and
 rolling ground and

Many Pines, Kenai Oak Brush

39.90 A limestone 16 X 12 X 6 ins

10 ins in ground for 1/4 Sec Cor
 bet Sec 18 and 19 marked

1/4 S on N face, from which

A Pine 10 ins dia br N 33° 45' E
 38 lbs ant marked 1/4 S 18 B. T.

A Pine 10 ins dia br S 35° 30' E
 46 lbs ant marked 1/4 S 19 B. T.

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Submergence T 29 N R 4 E Cont'd
chains

Ascend gradually

79.40 The Cor to Sec 17, 18, 19 and 20

April 4 rate

Formation Volcanic Line

Character Mountainous

80.74 chs Heavy Timber & Mus Brush

80.74 chs Mountainous Character

————— " —————

11 00 3' N bet Sec 17 and 18

Level - Rocky

Heavy Pine - Loose Oak Brush

17.00 descend gradually - rolling ground

40.00 bet a limestone 18 X 12 X 5 ins

12 ins. in ground for 1/4 Sec Cor

bet Sec 17 and 18 marked

1/4 d on N face, from which

a Pine 20 ins dia brs S 77° 15' E

14 chs dia marked 1/4 d 17 B. I.

a Pine 18 ins dia brs N 79° W

18 chs dia marked 1/4 d 18 B. I.

Subdivision T 29 N R 4 E Corda
chains

Laconda gradually

80.00 Set a limestone $16 \times 12 \times 5$ ins

10 ins in ground for Co to Sec 2

7, 8, 17 and 18 marked with
4 notches on S and 6 on E
edges, from which

A Pine 22 ins dia br N $44^{\circ}30' E$

78 lbs dia marked

T 29 N R 4 E S 8 B. 1.

A Pine 20 ins dia br S $71^{\circ} E$

78 lbs dia marked

T 29 N R 4 E S 17 B. 1.

A Pine 36 ins dia br S $66^{\circ}15' N$

17 lbs dia marked

T 29 N R 4 E S 18 B. 1.

A Pine 14 ins dia br N $28^{\circ} W$

119 lbs dia marked

T 29 N R 4 E S 7 B. 1.

Soil 3 rats

Formation Valconic Limestone

Submerison 1 29 N R 4 E Cont'd
chain

Character Mountainous

83.24 chs Heavy Timber Dense Brush

83.24 chs Mountainous character

— " —
A 89°56' E on a random line
bet Sec 8 and 17

40.00 Set a temporary 1/4 Sec Cor

80.00 Intersect N and S line of Sec
2 of Cor to Sec 8, 9, 16 and 17

Thence S run

N on a true line bet Sec
8 and 17

Ascend gently

Heavy Pines - Scattering Oak Brush

2.30 Cross trail bra N and S by

Ascend gently

4.00 Descend rapidly - Rocky

38.50 Cross draw cr NE ^{by ax and}
over rocky ground

39.00 Cross road bra NE & N ^{by}

40.00 Set a limestone 22 x 18 x 10 ins

Subdivision T 24 N R 4 E Carter
chains

15 ins in ground for $\frac{1}{4}$ Sec Cor
bet Secs 8 and 17 marked
 $\frac{1}{4}$ Sec on N face, from which
a Pine 30 ins dia br N 62° E
75 lbs dia marked $\frac{1}{4}$ S 8 B. T.
A Pine 36 ins dia br S 12° 30' W
16 lbs dia marked $\frac{1}{4}$ S 17 B. T.
Descent gradually

72.00 Cross draw cr N 91 E

74.25 Cross automobile road flagstaff
to Grand Canyon cr N 91 E

Ascent gently over rolling ground

80.00 The cr to Secs 7, 8, 17 and 18

Soil 4 rats

Formation Volcanic Tuff

Character Mountainous

80.91 chs Heavy Timber and Brush

80.91 chs Mountainous character

Subdivision T 29 N R 4 E Cont'd
chain

S $89^{\circ}56'$ Run a random line
bet Secs 7 and 18

4000 Set a temporary $1\frac{1}{4}$ Sec Cor

8000 Intersect N body of line S
of Cor to Secs 7, 12, 13 and 18

Which is a stone firmly set
in the ground marked with
4 grooves on S and 2 on N
edges, from which

A Pine 18 in dia br N $70^{\circ}30' E$
83 lbs dia marked

T 29 N R 4 E S 7 B.T.

A Pine 20 in dia br S $30^{\circ}15' E$
68 lbs dia marked

T 29 N R 4 E S 18 B.T.

A Pine 20 in dia br N $56^{\circ}45' W$
224 lbs dia marked

T 29 N R 3 E S 12 B.T.

A Pine 20 in dia br S $10^{\circ} N$
88 lbs dia marked

Subdivision T 29 N R 4 E Cont'd
chains

T 29 N R 3 E S 13 B. 1.

Thence 2 run

E on a true line bet Sec 7 and 18

Ascend gradually

Heavy pine some oak and buck brush

12.00 Level

20.00 ascend gently

34.00 Descend rapidly along rocky
N^w slope

40.00 Set a limestone 18 x 10 x 6 ins

12 ins in ground for 1/4 Sec Cor

bet Sec 7 and 18 marked

1/4 S on N face, from which

A Pine 22 ins dia br N 80° 30' E

20 lbs dia marked 1/4 S 7. 13. 1.

A Pine 24 ins dia br S. 58° 15' W

30 lbs dia marked 1/4 S 18 B. 1.

Descend rapidly

45.85 Ascend abruptly

49.00 Level

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Subsidence 129 N R 4 E Contd
chains

54.00 Descend gradually

80.00 The Cor to Sec 7, 8, 17 and 18

Soil 4 rate

Formation Volcanic Fine
Character Mountainous

80.50 ch Heavy Timber some brush

80.50 ch Mountainous character

Oct 20 7 am cont Schoff
35° 52' 51.2" N on lat arc and 10° 14' S
on decl arc and determined
the true Meridian with the
Solar at the Cor to Sec 7, 8
17 and 18.

Thence I run

N 0° 3' W to Sec 7 and 8

Descend gently

Heavy Pines scattering Oak brush

3.00 Cross draw cr Nly and

Ascend rapidly.

Subdivisions T 29 N R 4 E Cont'd
chains

11.00 Level Rocky

16.00 Descend gradually

36.25 Cross Rain Tank road to E ^{Sec 4} N 4

40.00 Set a limestone 16 X 14 X 8 ins

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

Set Secs 7 and 8 marked

$\frac{1}{4}$ S on N face from which

A Pine 20 ins dia br N $150^{\circ}45'$ N

44 br dia marked $\frac{1}{4}$ S 7 R. P.

A Pine 18 ins dia br N $35^{\circ}15'$ E

54 br dia marked $\frac{1}{4}$ S 8 R. P.

Ascend rapidly

48.00 ascend gently - Rolling ground

78.00 descend gently

80.00 Set a limestone 22 X 10 X 10 ins

15 ins in ground for Cor of Secs

5, 6, 7 and 8 marked with

5 notches on S and E edges

from which

A Pine 22 ins dia br N $37^{\circ}30'$ N

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Subdivisions T 29 N R 4 E Cont'd
chains

86 lks dist marked

T 29 N R 4 E S 6 B.T.
A Pine 20 ins dia brs S 51° W

49 lks dist marked

T 29 N R 4 E S 7 B.T.
A Pine 18 ins dia brs S 9° 15' E

83 lks dist marked

T 29 N R 4 E S 8 B.T.
A Pine 24 ins dia brs N 49° E

163 lks dist marked

T 29 N R 4 E S 5 B.T.
Soil 4 rats

Formation Volcanic Lime
Character Mountainous

84.79 cha Heavy Timberland 2nd

84.79 cha Mountainous character

E on a rough line bet Sec

5 and 8

4000 lks a temporary 1/4 Sec lot

Subdivisions T24 N R4 E Colville
chains

80.00 Descend N and S line at loc to
Sec 4, 5, 8 and 9

Thence run

W on a true line between
Sec 5 and 8

Ascend gently

Heavy Pine Scattering Oak

15.50 Descend rapidly - Rocky

16.50 Cross draw or S⁴

18.00 Ascend rapidly - Rocky

21.00 Over rolling ground - Rocky

32.00 Descend gently

40.00 Set a limestone 13 x 12 x 6 in

10 in in ground for 1/4 Sec by

bet Sec 5 and 8 marked

1/4 S on N face, from which

a Pine 22 in dia br N 81° 15' E

34 lbs and marked 1/4 S & B, T.

A Pine 18 in dia br S 36° 45' N

61 lbs and marked 1/4 S & B, T.

3-90

BOOK 590

Subdivision 1 29 N R4 E Cor 1st
drains

Rise and gradually - Rolling
ground - Rocky

7 5:00 Cross rocky draw on N⁴⁵W⁴⁵N

Rise and gradually

80:00 The Co to Secs 5, 6, 7 and 8
Soil H¹⁵ Rate

Formation Volcanic Lime
Character Mountainous

80:45 ch Heavy timber and brush

80:45 ch Mountainous character

————— " —————

It is a random line but
Secs 6 and 7

40:00 Set a temporary 1/4 Sec Cor

80:00 Intersect N body of at Cor
to Secs 1, 6, 7 and 12

which is a stone firmly set
in the ground marked with
5 grooves on S and 1 on N
face, from which

Sept divisions T 29 N R 4 E Cont'd
chain

A Pine 20 ins dia br N $30^{\circ}05'$ E
100 lbs dist marked

T 29 N R 4 E S 6 R. 1.

A Pine 20 ins dia br S $47^{\circ}15'$ N
74 lbs dist marked

T 29 N R 3 E S 12 R. 1.

A Pine 15 ins dia br S $69^{\circ}15'$ E
56 lbs dist marked

T 29 N R 4 E S 7 R. 1.

A Pine 26 ins dia br N $47^{\circ}10'$ N
119 lbs dist marked

T 29 N R 3 E S 1 R. 1.

Thence I run

E on a true line ^{not} back ^{and} 7

Heavy Pine scattering Oak Brush

Descend gradually

2. 15 Cross Rain Tank road by ^{Map} S by
Level

3. 20 Ascend abruptly

7. 00 Descend abruptly

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Subdivision T 29 N R 4 E Contd
chain

- 11.00 Ascend rapidly
- 20.00 descend gradually - Rocky
- 37.00 descend gradually - Rocky
- 40.00 Detr limestone 14 X 8 X 6 in
9 ins in ground for 1/4 Sec Cor
bet Sec 6 and 7 marked
1/4 Sec N force, from which
A Pine 22 ins dia br N 41° E
43 lbs at marked 1/4 Sec 6 B. 1
A Pine 24 ins dia br S 44° E
26 lbs at marked 1/4 Sec 7 B. 1
Descend gradually
- 43.00 descend abruptly
- 46.00 cross draw or S by and
Ascend rapidly - Rocky
- 51.00 Over rolling ground - Rocky
- 50.00 The Cor to Sec 5, 6, 7 and 8
Soil 4 rate
Formation Valcanic Lime
Character Mountainous

Subdivisions T 29 N R 4 E Contey
chain

80.69 chs Heavy Timber dense brush

80.69 chs Mountainous character

————— " —————

N 0° 4' E on a random line
bet Secs 5 and 6

4.00 Set a Temporary 1/4 Sec Cor.

79.90 Intersect N body T p 6 chs
E of Cor to Secs 5, 6, 31 and 32
Thence S run

100' N on a true line bet
Secs 5 and 6

In draw and across slightly
Heavy Pines and some Oak brush

2.50 Level - Rocky

15.00 Descend gradually - Rocky

22.60 Cross draw-cr S W^{ly} and
Descend gradually - Rocky

39.90 Set a timberline 16 X 8 X 5 ins

10 ins in ground for 1/4 Sec Cor bet
Secs 5 and 6 marked 1/4 S on W

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Submeridian T 29 N R 4 E Cont'd
Chains

face, from which
A Pine 20 ins dia br N $71^{\circ}45' W$
47 lks at marked $1/4$ & 6 B. T.
A Pine 28 ins dia br N $51^{\circ} E$
14 lks at marked $1/4$ & 5 B. T.
Descend gradually Rocky

75.00 Descend rapidly

76.50 Cross draw-cr Wey

77.50 Ascend gradually

79.90 The Cor & Sec 5, 6, 7 and 8

Soil H 2a1

Formation Volcanic Lime

Character Mountainous

80.51 chs Heavy Timber some brush

80.51 chs Mountainous Character

General Description

The grass is poor except in
Pines and openings

No water

Supursions T 29 N R 4 E Contd
 chains

In the breaks in the N. E. por-
 tions leading down to Coe-
 nino Basin there are some
 little signs of mineral. In
 the remaining portions the
 signs of mineral are poor

The elevation in the lowest
 portions of the township is
 about 6000 ft. In the
 highest portions it is about
 9000 ft.

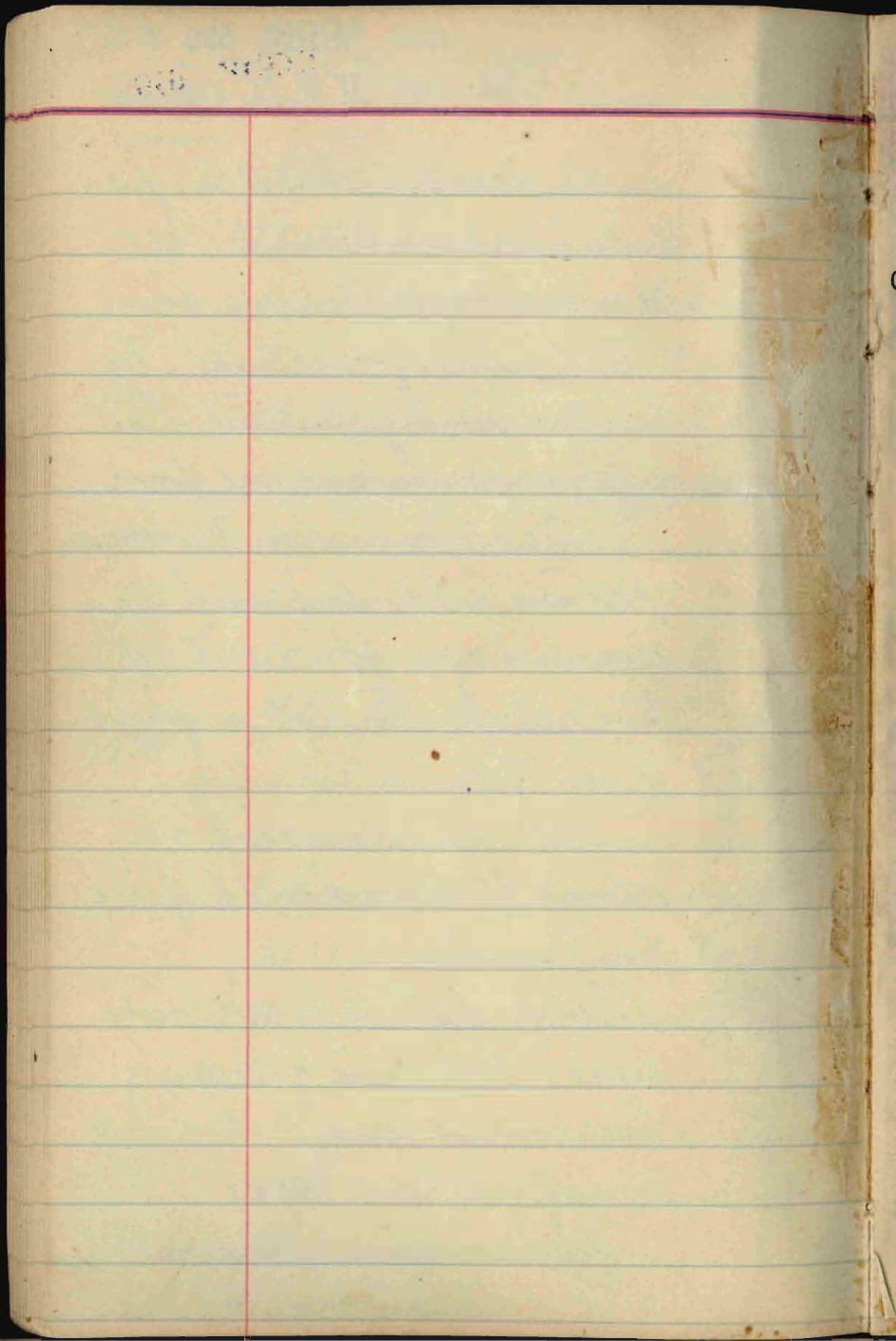
The entire township is
 almost covered with fine
 pine timber

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

The soil is volcanic ash
 and decayed vegetation.

Lower
 vis. of
 open
 canyon

184 2000



No. 540.

BOOK

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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 I. 29 N. R. + E.
Line of Salt River meridian
executed by Levin Waefley, 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 Christ

U.S. Surveyor General for Arizona.