

"E."

Subdivisions.

of

T. 29, N. R. 5, E.

(Fract.)

by

Lewis Wolfley.

BOOK 592

592

No. 592

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No. 592

BOOK 36
592

Field Notes
of the survey of the
Subdivisional Lines

of
T. 29 N., R. 5 E.
{frac. 7}

G. & J. R. Meridian.

Arizona.

as surveyed by
Lewis Kelfley,

U. S. Dep. Surveyor.

under his

Contract No. 72.

dated June 13th 1900.

Survey commenced Aug. 13, 1900

Survey completed Sept. 2, 1900.

37

1006

BOOK 592

(4-674.)

Frac^t Township 29, North, R. 5, East.

| | | | | | | | | | | |
|-----|-----|-----|----|-----|----|----|----|----|----|----|
| | 6 | 5 | 4 | 3 | 2 | 1 | | | | |
| | | | | | | | | | | |
| | 7 | 8 | 9 | 10 | 11 | 12 | | | | |
| 126 | | 124 | | 101 | | 83 | | 67 | | 52 |
| 18 | 122 | 17 | 99 | 16 | 81 | 15 | 66 | 14 | 50 | 13 |
| 120 | | 118 | | 97 | | 79 | | 64 | | 48 |
| 19 | 115 | 20 | 95 | 21 | 77 | 22 | 62 | 23 | 46 | 24 |
| 113 | | 110 | | 92 | | 76 | | 60 | | 44 |
| 30 | 108 | 29 | 90 | 28 | 74 | 27 | 58 | 26 | 42 | 25 |
| 107 | | 105 | | 87 | | 71 | | 56 | | 40 |
| 31 | 102 | 32 | 85 | 33 | 69 | 34 | 54 | 35 | 38 | 36 |

6-389

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

Subdivisions T. 29 N., R. 5, E.

38.

Aug. 13th 7 A.M. C.M.T. Set of $35^{\circ}49'23''N$
 on lat. arc, $14^{\circ}44'N$, on decl. arc and
 determine the true meridian with
 the solar at the S. P. to secs. 35
 and 36, T. 29 N., R. 5, E., which is
 a limestone firmly set in the
 ground and witnessed and des-
 cribed by the Surveyor General.
 Thence From $N. 0^{\circ}01' N$. bet. secs.
 35 and 36. Descend gradually.
 Dense cedar and pinion.

7.00 Ascend gradually.

40.00 Set a limestone $16 \times 10 \times 10$ ins. $\frac{2}{3}$ in
 ground for $\frac{1}{4}$ sec. cor. bet. secs. 35
 and 36, marked $\frac{1}{4}$ S. on N. face;
 from which a pinion 6 ins. in
 diam. brs. S. 38° N. 7 lks. dist.
 marked $\frac{1}{4}$ S. 35- B.T.

A pinion 7 ins. in diam. brs.

$269^{\circ}30'$ E. 16 lks. dist. marked

Subdivisions T. 29 N., R. 5 E.

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

45.00 Descend gradually

47.00 Enter heavy pines and descend gradually rapidly.

54.00 Cross wash course E-W and ascend rapidly over lime bluffs.

60.00 Ascend gradually - Leave pines - Enter dense cedar and pines.

80.00 Set a cedar post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. to secs. 25, 26, 35th and 36, marked

T. 29 N., Sec. 25 on N. E.

R. 5 E. S. 36 on S. E.

Sec. 35 on S. W.

Sec. 26 on N. It faces, with a notch on S. and E. edges from which

Subdivisions T. 29 N., R. 5, E.

A pine 10 ins. in diam Crs. N. 61° 51' E.

55 lbs. dist. marked T. 29 N., R. 5, E.

D. 25, B.T., A cedar 6 ins. in diam

Crs. S. 41° 30' Pt. 34 lbs. dist. marked

T. 29 N., R. 5, E. D. 35, B.T.

A cedar 8 ins. in diam Crs. S. 13° 30'

E. 34 lbs. dist. marked T. 29 N., R. 5 E.

D. 36, B.T., A cedar 8 ins. in diam

Crs. N. 66° 30' N. 39 lbs. dist. marked

T. 29 N., R. 5, E. D. 26, B.T.

Soil 4th rate.

Formation volcanic lime.

Character mountainous.

81.85 Chs. Heavy timber-dense brush.

81.85 Chs. Mountainous in character.

~~~~~ " ~~~~~

C. on a random line bet. sec.

25 and <sup>36</sup>/<sub>26</sub>.

40.00 bet a temp.  $\frac{1}{4}$  sec. cor.

## Subdivisions T. 29 N., R. 5, E.

80.06 Intersect C. bdy. of Tp. 19 lks.

N. of cor to secs. 25, 30, 31<sup>rd</sup> & 36

Thence I run N 89° 52' W. bet.

secs 25 and 36 on a true line.

Level through dense brush.

3.00 Descend gradually over rocky ground

7.00 Cross wash course S.     ly.

Heavy pines along wash and  
among cedars and pines.

Ascend rapidly.

16.00 Descend gradually.

40.03 Set a pin on post 3 ft. long 3

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

cor. bet. secs. 25 and 36, marked  $\frac{1}{4}$  P.

25, on N. face and P. 36, on P.

face, from which.

A pinon 7 ins. in diam. cor.

N. 61° 45' E, 20 lks. dist. mar-

ked  $\frac{1}{4}$  P. 25, P. T.



Subdivisions T. 29 N. R. 5, E.

horns.

A pinon 7 ins. in diam. Crs. P.  
24° 15' N. 24 lbs. dist. marked  $\frac{1}{4}$   
P. 36. B. T.

56.00 Cross wash course P<sup>ly</sup>. Heavy  
pines along wash and over  
rolling ground.

61.00 Cross wash course P<sup>ly</sup>. and over  
rolling ground.

80.06 Cor. of secs. 25, 26, 35 and 36,  
Soil 4<sup>th</sup> rate.

Termination volcanic line.

Character mountainous

80.50 Chs. Heavy timber, dense brush.

80.50 Chs. mountainous in character

————— " —————

N 0° 01' N. bet. secs. 25 and 26.

Ascend gradually.

Dense cedar and pinon.

40.00 A pinon tree 6 ins. in diam. for  
 $\frac{1}{4}$  sec. cor. bet. secs. 25 and 26

Subdivisions.

## Chamis.

marked  $\frac{1}{4}$ P. 26 on N-side and @  
25 on E side from which.

A cedar 12 ins. in diam. Cro. P. 49°

N. 36 lks. dist. marked  $\frac{1}{4}$ P. 26, B.T.

A cedar 24 ins. in diam. Cro. P. 54°

E. 57 lks. dist. marked  $\frac{1}{4}$ P. 25, B.T.

70.00 Enter open ground and des-  
cend gradually.

80.00 Set a limestone 18x14x14 ins.  
 $\frac{2}{3}$  in ground for cor. of secs.  
23, 24, 25 and 26, marked with  
2 notches on @ and 1 notch  
on E edge. Dig pits 18x18x12  
ins. in each sec.  $5\frac{1}{2}$  ft. dist. and  
raised a mound of earth 4 ft.  
base 2 ft. high N. of cor.  
Soil 4<sup>th</sup> rate, stony.  
Formation volcanic tuff.  
Character mantainous  
10 chs. open ground.

Subdivisions T. 29 N., R. 5 E.

Trails.

70.93 Chs Heavy timber - Dense brush.

80.93 Chs. Mountainous in character.

————— " —————

On  $89^{\circ}52'$  E on a random line

bet. secs. 24 and 25.

40.00 Put a temp.  $\frac{1}{4}$  sec. cor.

80.10 Intersect E. bdy 27 lks S. of

cor. to secs. 19, 24, 25 and 30.

Thence I run

On  $89^{\circ}57'$  N. on a true line bet.

secs. 24 and 25.

Ascend rapidly - Rocky.

Dense cedar and pines.

5.00 Enter rolling ground

6.00 A brush corral just South.

7.75 Cross brush fence to corral

9.25 Cross Pt. fence to <sup>round</sup> corral.

28.00 Descend rapidly - Rocky.

30.00 Heavy pines.



Subdivisions T. 29 N., R. 5, E.

Charno.

40.05

Set a cedar post 3 ft. long  
3 ins. sq. 24 ins. in ground  
for  $\frac{1}{4}$  sec. cor. bet. secs. 24<sup>nd</sup>  
25 marked  $\frac{1}{4}$  P. 24 on N. face  
and P. 25 on E. face, from  
which a pine 8 ins. in diam.  
brs. P. 40° 30' E. 128 lks. dist.  
marked  $\frac{1}{4}$  P. 25, B.T.

A cedar 10 ins. in diam. brs.  
N. 71° E. 69 lks. dist marked  
 $\frac{1}{4}$  P. 24, B.T.

46.00

Cross wash course P. ascend  
rapidly.

52.00

ascend gradually - leave pines  
Enter dense cedar and juniper.

80.10

Intersect cor. secs. 23, 24, 25 and  
26. Set 4<sup>th</sup> rate.

Formation volcanic line.  
Character mountainous.

82.07 Chs. Heavy timber - dense brush

Subdivisions T. 29 N., R. 5 E  
 Laris.

82.07 Chs. Maintains in Character.

71.0° 01' Pt. bet. secs. 23 and 24.

Descend gently - Open Park.

5.00 Enter heavy pine timber

24.00 Cross old fence enclosing dry tank.

30.00 Cross wash course E<sup>ly</sup> and ascend gradually.

40.00 (Set a limestone 23X16X8 ins. 12 ins. in ground for  $\frac{1}{4}$  sec. cor. bet. secs. 23 and 24, marked  $\frac{1}{4}$  P. on N. face, from which, a pine 8 ins. in diam. bro. 7186° 30' W. 65 lks. dist. marked  $\frac{1}{4}$  P. 23, B.T. A pine 16 ins. in diam. bro. P. 56° 15' E. 72 lks. dist. marked  $\frac{1}{4}$  P. 24, B.T.

62.80 Cross old trail course N. Pt. and P. E.

69.00 Along old fence

71.00 Cross old fence bro. N<sup>ly</sup> and P<sup>ly</sup>

76.00 Enter old dry tank.

Subdivisions: T. 29 N., R. 5 E.

Chains.

77.00

Leave old dry tank.

80.00

Set a pine post 3 ft. long, 4  
 ins. sq. in a mound of stone  
 for cor. of sec. 13, 14, 23 and  
 24 marked T. 29 N., Sec. 13 on  
 N.E., R. 5 E. Sec 24 on S.E.  
 Q. 23 on S.W. and Q. 14 on  
 N.W. faces with 3 notches on  
 S. and 1 notch on E. edges.  
 from which a pine 20 ins.  
 in diam. Crs. N.  $45^{\circ}30'$  Pt. 45 lbs.  
 dist. marked T. 29 N., R. 5 E.  
 Q. 14, B.T., a pine 20 ins. in  
 diam. Crs. S.  $44^{\circ}15'$  Pt. 243 lbs.  
 dist. marked T. 29 N., R. 5 E.  
 Q. 23, B.T., a pine 22 ins. in  
 diam. Crs. N.  $2^{\circ}45'$  E. 186 lbs.  
 dist. marked T. 29 N., R. 5 E.  
 Q. 13, B.T.  
 No other trees in limits.



Subdivisions T. 29 N., R. 5 E.

Pail 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous

5 chs. open ground.

81.11 Chs. Heavy timber-dense brush.

86.11 Chs. Mountainous in character.

————— " —————

N89°57'E. on a random line  
bet. secs. 13 and (24)

40.00 Det temp.  $\frac{1}{4}$  sec. cor.

79.90 Intersect E. bdy. Twp. 4 lks. S of  
cor. to secs 13, 18, 19 and 24.

Thence I run.

S. 89°55' on a true line bet.  
secs. 13 and 24.

Heavy pine, scattering cedar<sup>2nd</sup>  
pines, and dense oak brush.

Descend gradually.

10.00 Enter dense fire swept cedar and  
junior standing and fallen.

Subdivisions T. 29 N., R. 5 E.  
 chains.

39.95 Set a cedar post 2 ft. long, 3 ins.  
 sq. 24 ins. in ground for  $\frac{1}{4}$  sec  
 cor. bet. secs. 13 and 24,  
 marked  $\frac{1}{4}$  P. 13 on N face, P 24  
 on S face, from which  
 A pinon 7 ins. in diam. brs. N. 1  
 15° E. 40 lks. dist. marked  $\frac{1}{4}$   
 P. 13, B.T. A pine 30 ins. in  
 diam. brs. S. 53° 30' E. 34 lks. dist.  
 marked  $\frac{1}{4}$  P. 24, B.T.

41.00 Cross wash course ~~S~~<sup>N</sup>-scattering  
~~along~~<sup>pinos</sup> along washes.

73.00 Leave burnt and enter dense live  
 cedar, pinon and oak.

78.30 Cross fence brs. N and S. and  
 enter heavy pines.

79.90 Cor. secs. 13, 14, 23 and 24.  
 Soil 4 <sup>th</sup> rate.

Formation volcanic lime.  
 Character mountainous

Subdivisions T. 29 N., R. 5. E.

chains.

80.64 Chs. Heavy timber dense brush.

80.64 Chs mountainous in character.

No. 01 Pt. bet. secs. 13 and 14. ascending gradually. Heavy pines, cedar and juniper.

1.00 Cross old fence bet. E and Pt.

20.00 Fence just E. bet. 7<sup>th</sup> and 8<sup>th</sup>.

22.00 Enter dense fire swept cedar and juniper standing and fallen.

30.00 Top over looking Coconino Valley and descend rapidly towards valley about 1500 ft. below.

40.00 Cross<sup>on</sup> ledge of lime in place for  $\frac{1}{4}$  sec. cor. bet. secs. 13 and 14, marked  $\frac{1}{4}$  P. from which a pine 16 ins. in diam. bet. P. 58° E. 137 lbs. dist. marked  $\frac{1}{4}$  P. 13 B. T. No other trees in limit. Dense oak and locust brush.



Subdivisions T. 29 N., R. 5 E.  
Chamis.

Continue descend rapidly.  
58.00 Cross wash course N. E. <sup>ly</sup> and  
descend rapidly along rocky  
slope.

80.00 Set a limestone 20x10x8 ins.  
10 ins. in ground for cor. sec.  
11, 12, 13 and 14 marked with  
4 notches on P. and 1 notch on  
E edges; from which, a  
cedar 14 ins. in diam. brs.  $\beta$   $56^{\circ}$   
 $30'$  E. 16 lbs. dist. marked T. 29,  
N., R. 5 E.  $\beta$  13, B.T., A cedar  
18 ins. in diam brs.  $\beta$   $34^{\circ}$  N.  
53 lbs. dist. marked T. 29, N.,  
R. 5 E.  $\beta$  14, B.T., A pinon  
6 ins. in diam. brs.  $\gamma$   $35^{\circ} 30'$  N.  
76 lbs. dist. marked T. 29, N.,  
R. 5 E.  $\beta$  11, B.T., A cedar 14 ins  
in diam. brs.  $\gamma$   $39^{\circ} 45'$  E. 16 lbs.  
dist. marked T. 29, N., R. 5 E.

Subdivisions T29N, R. 5, E.

Chains.

Q12 B.T. Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character, mountainous.

82.98 Chs. Heavy timber, dense brush.

82.98 Chs. mountainous in character.

N. 89° 55' E. on a random line  
bet. secs. 12 and 13.

40.00 Bet. a temp.  $\frac{1}{4}$  sec. cor.

80.20 Intersect E. bdy. Tp. 3 lks. S. of  
cor. to secs. 7, 12, 13 and 18.

Thence S. run.

O. 89° 54' Pt. on a true line bet.  
secs. 12 and 13. along rough  
mountainous N<sup>ly</sup> slopes South  
of Cecenine Valley.

40.10 Bet a limestone 20 x 12 x 8 ins.

$\frac{3}{4}$  in ground for  $\frac{1}{4}$  sec. cor. bet  
secs. 12 and 13 marked  $\frac{1}{4}$  P.  
on N face, from which.

## Subdivisions T. 29 N., R. 5 E.

A pine 14 ins. in diam. Trs. N.

124 lbs. dist. marked  $\frac{1}{4}$  p. 12,

B.T., A cedar 14 ins. in diam.

trs. S. 5° E. 52 lbs. dist. marked

$\frac{1}{4}$  p. 13. B.T. Continue over

rough N<sup>ely</sup> slope ascending.

80.20 Cor. secs. 11, 12, 13, and 14.

Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous.

81.96 Chs. Heavy timber, dense brush

81.96 Chs. Mountainous, in character

Aug. 14, 7 A.M. L.M.T. I set off

$35^{\circ}49'25''$  N. on lat. arc, and  $14^{\circ}$

$25'$  N. on decl. arc, to determine

the true meridian with

the solar at the P.C. to secs.

34 and 35, T<sub>p</sub>. 29, N., R. 5 E.

which is a stone brainly



Subdivisions. T. 29 N., R. 5 E.  
chains.

set in the ground and witnessed  
 as described by the Surveyor  
 General.

Thence I run.

N.  $0^{\circ} 01'$  Pt. bet. secs. 34 and  
 35, ascend gradually.

16.50 Descend gradually.

21.75 Cross wash course S.  $14^{\circ}$   
 and descend gradually.

26.00 Top, and descend gradually.

40.00 Put a pin on post 3 ft. long, 3 ins.

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

cor. bet. secs. 34 and 35 marked

$\frac{1}{4}$  P. 34, on N. face and P. 35

on E. face; from which a  
 cedar 10 ins. in diam. brs.

$\text{P. } 82^{\circ} 15'$  Pt. 81 lks. dist. marked

$\frac{1}{4}$  P. 34, B.T., a cedar 7 ins. in diam.

brs. N.  $77^{\circ} 45'$  E. 27 lks. dist. marked

$\frac{1}{4}$  P. 35, B.T.

Subdivisions T. 29 N., R. 5 E.  
Chains.

Ascend gradually.

52.20 Level.

80.00 Set a cedar post 3 ft. long, 4 ins. sq. 24 ins. in ground for cor. of secs. 26, 27, 34 and 35 marked T. 29 N. Q. 26, on N. E.

R. 5 E., P. 35 on P. E.

P. 34 on P. St. and

Q. 27 on N. St. faces, with 1 notch on P, and 2 notches on E edges, from which a pinon 8 ins. in diam. Crs. P. 44° 15' St. 154 lks. dist. marked T. 29 N., R. 5 E. P. 34, B. T.

A pinon 6 ins. in diam. Crs. P. 30° 30' E. 38 lks. dist. marked

T. 29 N., R. 5 E. P. 35, B. T.

A pinon 6 ins. in diam. Crs. N. 40° E. 40 lks. dist. marked

T. 29 N., R. 5 E. Q. 26, B. T.

No. 592

BOOK 592 56

Subdivisions T. 29 N, R. 5 E.

anno

A cedar 8 ins. in diam. Crs. N. 12°  
St. 38 lks. dist. marked T.  
29 N, R. 5 E, P. 27, B. T.

Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous.

83.78 chs Heavy timber - dense brush.

83.78 chs Mountainous in character.

E on a random line bet.

secs. 26 and 35.

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

80.04 Intersect N and P. line 7 <sup>[36]</sup>  
lks. S of cor. of secs. 25, 26, 35.

Thence I run

P. 89° 57' St. on a true line  
bet. secs. 26 and 35.

Level

Dense cedar and pinon.



Subdivisions. T. 29 N., R. 5 E.  
chains.

- 17.00 Descend gradually.
- 21.00 Enter heavy pine and descend rapidly.
- 31.00 Cross wash course, P. E. by  
 and ascend abruptly.
- 37.00 Leave pines and enter dense  
 cedar and pinon.
- 39.00 Ascend abruptly over rocks.
- 40.02 Set a pinion post 3 ft. long  
 3 ins. sq. 24 ins. in ground  
 for  $\frac{1}{4}$  sec. cor. bet secs 26  
 and 35, marked  $\frac{1}{4}$  P. 26 on  
 'and Sec. 30-4 on S. face,  
 N. face, from which  
 A cedar 10 ins. in diam. Crs.  
 P.  $53^{\circ} 30' E.$  32 lbs. dist. marked  
 $\frac{1}{4}$  P. 35, B. T. A pinion 8 ins.  
 in diam. Crs. N.  $71^{\circ} 30' E.$  15  
 lbs. dist. marked  $\frac{1}{4}$  P. 26, B.  
 T.

Continue to ascend abruptly

Subdivisions T. 29 N., R. 5 E.  
chains.

- 47.00 Top of ridge bet. N. and O.  
Enter heavy pines.  
Descend abruptly.
- 53.00 Cross wash course E<sup>ly</sup> and  
ascend rapidly over rocks.
- 58.00 Top of low rock point bet. N<sup>ly</sup>  
and O<sup>ly</sup> and descend abruptly.
- 63.65 Cross trail bet. N<sup>ly</sup> and O<sup>ly</sup>
- 63.70 Cross wash course O<sup>ly</sup> and  
ascend abruptly.
- 70.50 Enter dense cedar and pinon.  
Level and rocky.
- 80.04 Cor. of secs. 26, 27, 34 and 35.  
Soil 4<sup>th</sup> rate.  
Formation volcanic lime.  
Character mountainous
- 80.57 Chs. Heavy timber - dense brush.
- 80.51 Chs. Mountainous in character.
- ~~~~~ " ~~~~~

Subdivisions T. 29 N., R. 5 E.  
 Chamis.

No. 01' Ot. bet. secs 26 and

27. Level.

Dense cedar and pinon and  
 pines.

27.40 Descend gradually.

40.00 Set a limestone  $20 \times 8 \times 6$ -  
 ins.  $\frac{3}{4}$  in ground for  $\frac{1}{4}$   
 sec. cor. bet secs.



Subdivisions T 29 N R 5 E Cont'd  
chains

26 and 27 marked  $\frac{1}{4}$  S on N face,  
from which

A Pine 20 ins dia brs N  $85^{\circ}$  E 68

the dist marked  $\frac{1}{4}$  S 26 B.T.

A Pine 14 ins dia brs S  $89^{\circ}30'$  W 100 lbs  
dist ~~dist~~ marked  $\frac{1}{4}$  S. 27 B.T.

40.40 Crosswash cr E<sup>g</sup> and  
ascend gradually

46.50 Level

80.00 Set a limestone  $18 \times 12 \times 8$  ins  $\frac{2}{3}$

in ground for Cor of Sec 22, 23

26 and 27 marked 2 notches on  
S and E edges, from which

A Cedar 6 ins dia brs N  $72^{\circ}$  W 81

the dist marked

T 29 N R 5 E S 22 B.T.

A Cedar 8 ins dia brs N  $52^{\circ}15'$  E:

9 the dist marked

T 29 N R 5 E S 23 B.T.

A Pinon 8 ins dia brs S  $82^{\circ}15'$  W

Subdivision T 29 N R 5 E Cont'd  
chains

73 Chs dist marked

T 29 N R 5 E S 27 B. T.

A Cedar 6 in dia brs S  $49^{\circ}30'$

E 35 Chs dist marked

T. 29 N R 5 E S 26 B. T.

Soil 3<sup>rd</sup> Rate ~~Common~~ <sup>by</sup> ~~and~~

Formal in Volcanic Line

Character Mountainous

83.56 Chs Heavy Timber - Loose Brush

83.56 Chs Mountainous in Character

"

N  $89^{\circ}57'$  E on a random line  
bet Sec 23 and 26

40.00 Set a temporary 1/4 Sec Cor

80 + 4 Intersect N and S line 2 Chs N

Cor of Sec 23, 24, 25 and 26.

Thence S run

S  $89^{\circ}58'$  W on a true line bet

Sec 23 and 26

Loose Cedar, Birch, Oak and Pines

Subdivision T 29 N R 5 E Cont'd

chain

Level

- 20.00 Descend gradually
- 40.07 Cross on rock for  $\frac{1}{4}$  <sup>mi</sup> bet  
 Sec 23 and 26 marked  $\frac{1}{4}$  S on  
 rock; from which  
 A Pine 20 in dia brs S  $47^{\circ}45'$  E  
 36 ft dia marked  $\frac{1}{4}$  S 26 B.T.  
 A Pine 18 in dia brs N  $25^{\circ}15'$  E  
 103 ft dia marked  $\frac{1}{4}$  S 23 B.T.
- 53.00 Cross wash or S <sup>g</sup> and  
 Ascend gradually  
 Enter heavy Pines
- 63.00 Enter dense Cedar and Pinon  
 Level
- 80.14 Cor Secs 22, 23, 26 and 27  
 Soil 3' Rate. grass fair  
 Formation Volcanic Lime  
 Character mountainous
- 81.53 the Heavy Timber - Dense Brush  
 81.53 the Mountainous in Character.



Subdivision T 29 N R 5 E Cont'd  
Chains

No. 1 N bet Dec 22 and 23

Level

Some Cedar and Pinon

8.50 Enter heavy Pines and  
descend gradually

22.20 Cross wash or  $\frac{1}{4}$  and  
ascend gradually

23.00 Cross old trail line N W and S E  $\frac{1}{4}$

36.30 Leave heavy Pines and enter  
dense Cedar, Pinon and oak with  
scattering Pines

40.00 Set a limestone 18 X 12 X 10 ins

$\frac{2}{3}$  in ground for  $\frac{1}{4}$  Dec Cor

bet Dec 22 and 23 marked

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

A Pine 7 ins dia bet S  $41^{\circ}$  E

197 the dirt marked  $\frac{1}{4}$  S 23 D.T.

A Pine 16 ins dia bet N  $11^{\circ}$  W 151

the dirt marked  $\frac{1}{4}$  S 22 Q.T.

Subdivision T 29 N R 5 E Cont'd  
Chains

76.40 Enter heavy Pine and some Oak Brush  
Descend gradually

80.00 Set a Limestone  $30 \times 18 \times 6$  ins  
 $\frac{3}{4}$  in ground for Cor of Sec 2  
14, 15, 22 and 23 marked with  
3 notch on S. and 2 on E edges;  
from which

A Cedar 10 in diameter  $N 68^{\circ} E$  63  
the dist marked

T 29 N R 5 E S 14 B. T.

A Cedar 20 in diameter  $N 46^{\circ} 15' W$   
100 the dist marked

T 29 N R 5 E S 15 B. T.

A Cedar 22 in diameter  $S. 37^{\circ} E$   
80 the dist marked

T 29 N R 5 E. S 23 B. T.

A Cedar 6 in diameter  $S 24^{\circ} 15' W$   
44 the dist marked

T 29 N R 5 E. S 22 B. T.

Soil 3<sup>rd</sup> Rate covered with Sage Brush

Submeridian T. 29 N R 5 E Cont'd  
chains

Formation Volcanic Line  
Character Mountainous

85.35 ch Heavy Pines - Some brush  
85.35 ch Mountainous in Character

N 89° 58' E on a random line  
bet Sec 14 and 23

4.00 Set a temporary <sup>sec</sup> 1/4 Cor

80.00 Intersect N end of line 24 lbs N  
of Cor to Sec 12, 14, 23 and 24  
thence I run

N 89° 52' W on a true line bet  
Sec 14 and 23

Ground slightly rolling  
Heavy Pines - Some Oak brush

5.00 Cross fence bet E and W

10.00 Scattering Pines - Some Cedar and  
Pinon

13.00 Ground slightly rolling

25.00 Enter heavy Pines - Some Oak brush



Subdivision T 29 N R 5 E Contig  
chains

- 37.00 Leave Pines and enter dense Cedar and  
Pines
- 40.08 Set a Pines Post 3 ft long 3 in dia  
24 in in ground for  $\frac{1}{4}$  Sec Co bet  
Deer 14 and 23 marked  $\frac{1}{4}$  S 14  
on N face and S 23 on S face,  
from which  
A Cedar 16 in dia br S  $58^{\circ}15'$  W.  
67 the dit marked  $\frac{1}{4}$  S 23 B.T.  
A Pines 8 in dia br N  $24^{\circ}45'$  E.  
37 the dit marked  $\frac{1}{4}$  S. 14. B.T.
- 76.40 Cross brush fence br N and S.  
Enter heavy pines and oak brush  
Escure gradually
- 80.16 Cor Deer 14, 15, 22 and 23.  
Soil  $4^{\text{th}}$  Rate  
Formation Volcanic Lime  
Character Mountainous
- 81.20 obs Heavy Timber-dense brush  
81.20 obs Mountainous in character

Submerians T. 29 N R 5 E Cont'd  
Chains

- N 0° 1' W bet Sec 14 and 15  
Dense Cedar and Pinon Oak Brush  
Descend gradually
- 6.00 Cross old fence bet E and W  
Enter heavy Pines and dense Oak Brush
- 9.30 Leave Pines and enter dense Cedar  
and Pinon and Oak brush
- 32.70 Descend gradually
- 40.00 An Oak tree 5 ins dia fr  $\frac{1}{4}$  Sec  
Cor bet Sec 14 and 15 marked  
 $\frac{1}{4}$  S 15' on W side and S 14' on  
E side; from which  
A Pine 24 ins dia br N 27° 45'  
E 63 lks dist marked  $\frac{1}{4}$  S 14' B.T.  
A Cedar 14 ins dia br N 73° 15' W  
34 lks dist marked  $\frac{1}{4}$  S 15' B.T.
- 41.60 Cross trail bet N E and S W  
Descend gradually
- 54.50 Descend abruptly
- 75.00 Dense burnt Cedar and Pinon

Submissions T. 29 R 5 - Eo Canted  
chains

80.00 Set a limestone 20x14x10 ins  $\frac{3}{4}$  in  
ground for cor of Secs 10, 11, 14  
and 15 marked with 4 notches  
on S and 2 notches on E Edges,  
and raised a mound of stone  
2 ft base  $1\frac{1}{2}$  ft high N of Cor.  
Pits impracticable.

Soil 4<sup>th</sup> Rate

Formation Volcanic Lime  
Character Mountainous

80.97 the Heavy Timber - Lume Brush

80.97 the Mountainous in Character.

§ 89°52' E on a random line bet.  
Secs 11 and 14

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

80.18 Intersect N and S line 27 the S  
of Cor of Secs 10, 12, 13 and 14  
Thence I run

§ 89°57' N on a true line bet



Antiquarians T 29 N R 5 E Corral  
chauns

Secs 11 and 14

Ascending along rough rocky  
N slopes above Coconino Basin  
Some Cedar, Pinon and Brush

28.00 descend rocky N<sup>W</sup> slope

40.09 A Cedar tree 14 ins dia for  $\frac{1}{4}$

Sec Cor bet Secs 11 and 14

marked  $\frac{1}{4}$  S 11 on N side and  
S 14 on S side, from which

A Cedar 16 ins dia tree S  $86^{\circ}$  W

15 lbs dist marked  $\frac{1}{4}$  S 14 B.P.

A Cedar 16 ins dia tree N  $75^{\circ}$  W

10 lbs dist marked  $\frac{1}{4}$  S 11 B.P.

61.00 Ascend abruptly NE point

69.00 Top of point tra NE and  
descend along N<sup>W</sup> rocky slopes

74.60 Cross old trail on NW<sup>+</sup> SE.

80.18 Cor of Secs 10, 11, 14 and 15

Soil 4<sup>th</sup> Rate

Formation Volcanic Lime

Subdivision T 29 N R 5 E Cont'd  
Chains

Character Mountainous

80.43 chs Heavy Timber - Some Brush

80.43 chs Mountainous in Character.

Aug 15. 7 a.m. l.m.t. & set off  
36° 12' N on lot are 14° 07' N on  
decl are and determined the true  
Meridian with the solar at the  
A C lot to beca 33 and 34

T. 29 N R 5 E which is a stone  
firmly set in the ground and  
marked and witnessed as described  
by The Surveyor General

Thence I run

N 0° 2' W bet Sec 33 and 34

Ascend gradually

Some Pine

18.00 Cross old road bet NE and SW

40.00 Set a Pine post 3 ft long 3 in

dia, 24 in in ground for 1/4 Sec Cor

Subdivisions T. 29 N R 3 E Corral  
Chains

bet Sec 33 and 34 marked  
1/4 S 33 on N face and S 34  
on E face, from which

A Pine 16 ins dia br N 83° 45' E

77 lbs dist marked 1/4 S 34 B.T.

A Pine 18 ins dia br N 29° W

106 lbs dist marked 1/4 S 33 B.T.

71.00 Leave Pines - Enter dense Cedar  
and Pinon

79.00 Crest of low lime ridge - Enter  
heavy Pines

80.00 Set a limestone 23 X 20 X 8 ins

3/4 in in ground for Cor of Sec  
27, 28, 33 and 34 marked with  
1 notch on S and 3 notches

on E. edge, from which

A Pine 14 ins dia br N 84° E

89 lbs dist marked

T. 29 N R 3 E S 27 B.T.

A Pine 18 ins dia br S 10° E

42 lbs dist marked



Subdivisions T. 29 N R 5 E Cont'd  
chain

T. 29 N R 5 E S 34 B. 1.

A Pinon 8 ins dia brs N 74° 45' W

11 lbs dia marked

T. 29 N R 5 E S 28 B. 1.

A Pinon 10 ins dia brs S 26° 30' W

87 lbs dia marked

T. 29 N R 5 E S 33 B. 1.

Soil 4<sup>th</sup> Rate

Formation Volcanic Line

Character Mountainous

SH. 12' chs. Heavy Timber - Dense Brush

SH. 12' chs. Mountainous in Character

E on a random line bet Secs

27 and 34

40.00 bet a temporary 1/4 Sec Cor

80.00 Intersect N and S line of Cor

Secs 26, 27, 34 and 35, 8 lbs S.

Thence 2 run

B. 89° 57' N on a true line bet

Subdivisions T. 29 N R 5 E Cont'd  
chains

See 27 and 34

Some Cedar and Piñon  
Level

10.00 Descend gently

19.00 Brush Corral 150 lks dia

21.00 Descend rapidly and enter  
heavy Pines

28.00 Cross wash cr S<sup>ly</sup>  
Level

32.00 Cross trail bet N and S.

33.00 Cross wash cr S E<sup>ly</sup> and  
Ascend gradually - High  
ridge just N

37.00 Ascend rapidly

40.00 Set a Pine Post 3 ft long  
3 in ag 24 ins in ground for  
1/4 Sec Cor bet Sec 27 and 34  
marked 1/4 S 27 on N face and  
S 34 on S face, from which

Approximate 1.29 N R 5 E Cont'd  
 chains

A Pine 24 ins dia br N 15° 30' E  
 13 lks dist marked 1/4 S 27 B.P.  
 A Pine 18 ins dia br S 41° 30' E  
 49 lks dist marked 1/4 S 34 B.P.  
 and continue to ascend rapidly

44.00 Level - Leave Pines and enter  
 dense Cedar and Fir

47.00 Descend gradually

53.00 Ascend gradually

58.00 Descend gradually

65.00 Cross wash cr S 4 and

Ascend gradually

80.00 Cor of Secs 27, 28, 33<sup>rd</sup> and 34

Soil H<sup>1</sup> Rate

Formation Volcanic Lime

Character Mountainous

80.62 chs. Heavy Timber dense Brush

80.62 chs Mountainous in Character



Submerians T. 29 N R 5 E Cont'd  
chain

No. 2 N bet Dec 27<sup>th</sup> and 28<sup>th</sup>

Arcana gradually

Some Pine, Cedar and Pinon

11.00 Brush Corral 1 ch wide

40.00 Set a Pinon Post 3 ft long

3 ins dia 24 ins in ground for

1/4 S Cor bet Dec 27<sup>th</sup> and 28<sup>th</sup>

marked 1/4 S 28 on N face and of

S 27 on E face, from which

a Pinon 14 ins dia br N 81° E

50 lbs dist marked 1/4 S 27 B.T.

A Pine 16 ins dia br N 85° 15' W

125 lbs dist marked 1/4 S 28 B.T.

Arcana gradually

56.00 descend gradually

66.00 Cross West Cr & E<sup>ly</sup> and

Arcana gradually

80.00 Set a Pine Post 3 ft long 4 ins

dia. 24 ins in ground for Cor of

Dec 21, 22, 27<sup>th</sup> and 28<sup>th</sup> marked

Subdivisions T. 29 N R 5 E Cont'd  
chains

T. 29 N S 22 on N. E.

R 5-E S 27 on S E.

Sec 28 on S. N and

Sec 21 on N W face with  
2 notches on S. and 3 notches  
on E edge, from which

A Circle 14 ins dia br S  $22^{\circ}45'N$   
79 lbs diet marked

T. 29 N R 5-E. S 28 B. T.

A Pinon 8 ins dia br S  $21^{\circ}30'E$   
17 lbs diet marked

T. 29 N R 5-E S 27 B. T.

A Pinon 10 ins dia br N  $14^{\circ}15'W$   
21 lbs diet marked

T. 29 N R 5-E. S 21 B. T.

A Pinon 5 ins dia br N  $41^{\circ}30'E$   
108 lbs diet marked

T. 29 N R 5-E. S 22 B. T.

Soil B Rate

Formation Volcanic Lime

Subdivisions T. 29 N R 3 E Cont'd  
chains

Character Mountains

85.90<sup>th</sup> Heavy Timber - Dense Brush

85.90 the Mountains in Character

N 89° 57' E on a rough line  
bet Sec 22 and 27

Ho. 00 Set a temporary <sup>See</sup> 1/4 Cor

80.00 Intersect N and S. line ~~of~~ Cor  
to Sec 22, 23, 26 and 27

3 like N of Cor.

Thence I run S

S. 89° 58' N on a true line bet  
Sec 22 and 27

Dense Cedar Pinon and Oak Brush  
Level

Ho. 05 Set a Pinon Post 3 ft long 3 ins  
sq 24 ft ins in ground for 1/4  
Sec Cor bet Sec 22 and 27  
marked 1/4 S 22 on N face and  
S 27 on S face; from which



Subdivision 1. 29 N R 5 E Cont'd  
chains

A Cedar 10 in dia bet N 43°45' W  
19 lbs dia marked  $\frac{1}{4}$  S 22 B.T.

A Cedar 12 in dia bet S 47°30' E  
7 lbs dia marked  $\frac{1}{4}$  S 27 B.T.

Acacia gradually

80.10 The Cor of Secs 21, 22, 27 and 28  
Soil 2 to 3 Rati - Sage Bush thick  
Formation Volcanic Line

Character Mountainous

80.36 chs - Heavy Timber - Loose Brush

80.36 chs Mountainous in Character

————— " —————  
No 2' N bet Secs 21 and 22

Acacia gradually

Loose Cedar and Pinon Oak Brush

40.00 Sit a limestone 18 X 12 X 3 ins  $\frac{2}{3}$   
in ground for  $\frac{1}{4}$  Sec Cor bet Secs  
21 and 22 marked  $\frac{1}{4}$  S on N  
face; from which

Subdivision T 29 N R 5-E Cont'd  
Chains

A Pinus 12 ins dia brs N 50°45' E

51 Vks dia marked 1/4 S 22 B.T.

A Cedar 10 ins dia brs S 14°30' W

29 Vks dia marked 1/4 S 21 B.T.

Ascend gradually - Land rolling

80.00 Set a limestone 17 X 11 X 7 ins <sup>2</sup>/<sub>3</sub>~~in~~ in ground for Cor of Secs

15, 16, 21 and 22 marked

3 matches on S and E edges;

from which

A Pine 16 ins dia brs S 30°45' W

71 Vks dia marked

T. 29 N R 5-E. S 21 B.T.

A Cedar 12 ins dia brs S 15°15' E

99 Vks dia marked

T. 29 N R 5-E S 22 B.T.

A Pine 8 ins dia brs N 46°30' W,

26 Vks dia marked

T. 29 N R 5-E. S 16 B.T.

A Cedar 16 ins dia brs N 50°45' E

Subdivision T 29 N R 5 E Cont'd  
Chain

54 lks unmarked

T. 29 N R 5 E. S 15, R. 1.

Soil 4<sup>th</sup> Rate-Rocky

Formation Volcanic Lime

Character Mountains

83.30 chs. Heavy timber - dense brush

83.30 chs. Mountains in character

— " —  
N 89° 58' E on a random line  
bet Secs 15 and 22

40.00 Set a temporary 1/4 Sec Cor

80.10 Intersect N and S line 18 lks S of  
Cor of Secs 14, 15, 22 and 23

Thence S run

D 89° 50' N on a true line bet  
Secs 15 and 22

Heavy Pine, dense Cedar, Pinon and  
Oak brush

Descend gradually over rolling  
ground



Subdivision 1, 29 N R 5 E Cont'd  
Chain

30.00 Scattering Pines among Cedar  
Piñon and Oak

40.05 Set a Piñon Post 3 ft long  
3 ins  $\approx$  24 ins in ground  
for  $\frac{1}{4}$  Sec Cor bet Sec 15  
and 22 marked  $\frac{1}{4}$  S 15 on  
N face, S 22 on S face,  
from which

A Pine 14 ins dia br N  $47^{\circ}$  W  
150 lbs dia marked  $\frac{1}{4}$  S 15 B.T.

An Oak 6 ins dia br S  $16^{\circ}$  W 109  
lbs dia marked  $\frac{1}{4}$  S 22 B.T.

43.00 Heavy Pines among Cedar and Oak

45.50 Small tank with water 50 lbs N

46.00 Scattering Pines among Cedar Piñon  
and Oak

65.00 Brush house 75 lbs S

71.00 Cross Trape br N and S

80.10 The Cor of <sup>Secs.</sup> 15, 16, 21 and 22  
Soil 3' Rate

On the evening of Aug. 14  
found a Pine with  
holes and without having  
anyone find it  
left camp and did not  
return.

Subdivision T 29 N R 5 E Corbett  
chain

Formation Volcanic Tine

Character Mountainous

82.69 chs - Heavy Timber - Dense Brush

82.69 chs Mountainous in character

————— " —————

Aug 16 7 a.m. l.m.t. I set off  
36°15' N in lat arc and 13°48' N  
in decl arc and determined the  
true Meridian with the Solar at the

Cor of Secs 15, 16, 21 and 22

Thence I run

N 0°2' W bet Secs 15 and 16

Ascend gradually

Dense Cedar Pine and Oak Brush

1.50 Cross trail bet NE and NW

31.00 Descend gradually

40.00 A cross on limestone in place for  
1/4 Sec Cor bet Secs 15 and 16 marked  
1/4 S on N side, from which

Subdivisions T, 29 N R 5 E Contd  
chain

- A Pine 10 ins dia brs N  $12^{\circ}45'$  W  
30 lbs dia marked  $\frac{1}{4}$  S 16 B.T.
- A Pine 10 ins dia brs N  $25^{\circ}30'$  E  
30 lbs dia marked  $\frac{1}{4}$  S 15 B.T.  
and descend rapidly
- 50.00 Descend rapidly over rock slopes
- 63.00 Descend over lime bluffs over  
steep NE slopes
- 80.00 Put a limestone  $30 \times 18 \times 14$  ins  $\frac{3}{4}$   
in ground for cor of Sec  
9, 10, 15 and 16 marked H  
notches on S and 3 notches on  
E edges, from which  
A Pinon 6 ins dia brs S  $50^{\circ}$  E  
39 lbs dia marked  
T. 29 N R 5 E S 15 B.T.
- A Pinon 6 ins dia brs N  $30^{\circ}45'$  E  
30 lbs dia marked  
T. 29 N R 5 E S 10 B.T.
- A Cedar 7 ins dia brs N  $9^{\circ}30'$  W



Subdivision T. 29 N R 5 E Cont'd  
chains

21.66 chs ditto marked

T. 29 N R 5 E S 9 R. T.

A Pinon 8 ins dia brs S 22° 15' W

32.66 chs ditto marked

T. 29 N. R 5 E S 16 R. T.

Soil 4<sup>th</sup> Rate - Extremely Mountainous

Formation Volcanic Lime

Character - Mountainous

81.82 chs Heavy Timber - Dense Brush

81.82 chs Mountainous in Character

N 89° 50' E on a random line bet  
Secs 10 and 15

40.00 Set a temporary 1/4 Sec Cor

89.80 Intersect N and S line at  
Cor to Secs 10, 11, 14 and 15

Then a S run

S 89° 50' W on a true line  
bet Secs 10 and 15

A long rough N<sup>ly</sup> slope just S of

Subdivisions T 29 N R 5 E Cont'd  
Chain

- and above Cocconino Basin  
Some Cedar Pinon and Oak Brush
- 39.90 A Cedar tree 8 ins dia for  $\frac{1}{4}$  Sec  
Cor bet Sec 10 and 15 marked  
 $\frac{1}{4}$  S 10 on N side and S 15 on  
S side, from which  
A Pinon 6 ins dia br S  $17^{\circ}$  W  
38 lbs dia marked  $\frac{1}{4}$  S 15 R. 1.  
A Pinon 6 ins dia br N  $23^{\circ}$  E  
36 lbs dia marked  $\frac{1}{4}$  S 10 R. 1.
- 79.80 The Cor of Sec 9, 10, 15 and 16  
Rocky - No soil  
Formation, Volcanic Lime  
Character Mountainous  
80.54 chs - Heavy Timber dense Brush  
80.54 chs. Mountainous in Character

From the S. C. to Sec 32 and 33  
T 29 N R 5 E, which is a  
stone firmly set in the ground

Subdivision T 29 N R 5 E Cont'd  
chains

and marked and situated as  
described by the Survey General,  
Thence 2 run

N 03' W bet Secs 32 and 33  
Level

Since Cedar, Pinon and Pine

2.50 descend gradually

5.00 Cross wash cr S E by and  
ascend gradually over rolling ground

7.00 Cross trail bet E & W

40.00 Set a Pine Post 3 ft long 3 ins  
sq 24 ins in ground for  $\frac{1}{4}$  Sec  
Cor bet Secs 32 and 33 marked  
 $\frac{1}{4}$  S 32 on W face, S 33  
on E face, from which

A Pinon 6 ins dia bet N 86° E

22 like dist marked  $\frac{1}{4}$  S 33 (B.T.)

A Pinon 10 ins dia bet S 88° W

20 like dist marked  $\frac{1}{4}$  S 32 (B.T.)

54.75 Cross trail bet E and W by



Subdivision T 29 N R 5 E Contd  
 Chocoma and House Oak Brush

70.00 Enter heavy Pines - Large Pinon  
 and Cedars

Around gradually

80.00 Set a Pine Post 3 ft long  
 4 ins top 24 ins in ground for  
 Cor of Secs 28, 29, 32 and 33  
 marked

T 29 N S 28 on N. E.

R 5 E S 33 on S. E.

Sec 32 on S W and  
 Sec 29 on N W face will  
 1 notch on S and 4 notches  
 on E edges; from which

A Pine 20 in dia bore S 25° W  
 46 lbs dia marked

T 29 N R 5 E S 32 B. I.

A Pine 18 ins dia bore S 42° 30' E  
 19 lbs dia marked

T 29 N R 5 E S 33 B. I.

A Pine 22 in dia bore N 12° 45' W

Subdivision 1. 29 N R 5 E Corlat  
chains

79 like dist marked

T. 29 N R 5 E S 29 B. T.

A Pine 18 and a bra N 64° 30' E

146 like dist marked

T. 29 N R 5 E S 28 B. T.

Soil 4<sup>th</sup> Rate

Formation Volcanic Lime

Character Mountainous

83, 32 chs Heavy Timber - Dense Brush

83, 32 chs Mountainous in Character

————— " —————

Aug 16 at 12 m l.m.t. I set off  
13° 43' N on decl arc and find the  
lat to be 36° 13' N. at 1 h l.m.t.  
I lay off 36° 13' on lat arc and  
13° 43' N on decl arc and de-  
termined the true Meridian with  
the solar

Thence I run

E on a random line bet Secs

Subdivision T. 29 N R 5 E Cont'd  
Chains

- 28 and 33
- 40.00 Set a temporary  $\frac{1}{4}$  Sec Cor
- 80.72 Intersect N and S line 14<sup>th</sup> Sec  
N of Cor to Secs 27, 28, ~~32~~<sup>33</sup>  
and ~~32~~<sup>34</sup>.
- Thence S on  
N  $89^{\circ}54'$  W on a true line  
bet Secs 28 and 33
- Top of ridge  
Dense Cedar Pinon with Scattering Pine
- 0.75 Descend abruptly
- 2.00 Descend gradually
- 10.00 Leave Cedar and Pinon and  
Enter heavy Pine and Oak brush
- 15.00 Cross Wash or S<sup>ly</sup> and  
Ascend gradually
- 25.00 Leave Pine and Enter dense Cedar  
and Pinon
- 33.00 Level
- 40.06 Set a Pine Post 3 ft long  $\frac{3}{4}$



Subdivisions T. 29 N R 5 E Cor. 1st  
 chains

ins up 24 ins in ground for  $\frac{1}{4}$   
 S. Cor bet Secs 28 and 33  
 marked  $\frac{1}{4}$  S 28 on N face and  
 S 33 on S face, from which  
 a Pinon 14 ins dia br. S  $19^{\circ} 5'$  W  
 15 lbs dist marked  $\frac{1}{4}$  S 33 B. 1.  
 a Pinon 7 ins dia br. N  $20^{\circ}$  E  
 20 lbs dist marked  $\frac{1}{4}$  S 28 B. 1.

Ascend gradually

43.00 Descend gradually

52.00 Descend abruptly. Leave  
 Cedar and Pinon and enter heavy Pines

54.00 Ascend rapidly

59.00 Ascend gradually

64.00 Leave Pines and enter Dense Cedar  
 Pinon and Oak Brush  
 Level

70.00 Enter Pines and Oak Brush.

80.12 The Cor of Secs 28, 29, 32 and  
 33

Subdivision T 29 N R 5 E Cont'd  
chain

Soil 4<sup>th</sup> Rate

Formation Paleocene Lime

Character Mountainous

80.47 chs Heavy Timber-Low Rm

80.47 chs Mountainous in character

No 3' N Mt Sec 28 and 29

Ascend gradually

Low Cedar, Pinon, Oak and Pine

3.00 Rolling ground

6.00 Cross trail br N W and E

11.00 Cross wash cr N and

ascend gradually

20.00 Descend rapidly

22.00 Cross wash cr N and

ascend rapidly

25.00 Ascend gradually

34.00 Log house and corral about

10 chs N and cross brush

fence br E and N.

Subdivisions T. 29 N R 5 E Cont'd  
chains

40 00 Set a Pine Post 3 ft long 3 ins  
dip, 24 ins in ground for  $\frac{1}{4}$  Sec  
Cn bet Dec 28 and 29 marked  
 $\frac{1}{4}$  S 29 on N face and S 28  
on E face, from which

A Pine 16 ins dia br N  $45^{\circ}30'$  W  
59 lks dist marked  $\frac{1}{4}$  S 29 Q. T.

A Pine 20 ins dia br S  $77^{\circ}$  E

39 lks dist marked  $\frac{1}{4}$  S. 28 Q. T.

61.00 Cross trail br S W and N. E.

80 00 Set a Cedar Post 3 ft long 4  
ins dip, 24 ins in ground for  
Cn of Dec. 20, 21, 28 and  
29 marked

T 29 N S 21 on N. E.

R 5 E S 28 on S E

S 29 on S W and

S 20 on N W face with  
2 notches on S and 4 notches  
on E edges; from which



Subdivisions T 29 N R 5 E Cont'g  
chains

A Cedar 18 ins dia tree N  $49^{\circ}15'$  W  
25 lks dist marked

T 29 N R 5 E S 20 B. 1.

A Cedar 8 ins dia tree N  $12^{\circ}45'$  E  
68 lks dist marked

T 29 N R 5 E S 21 B. 1.

A Piñon 5 ins dia tree S  $62^{\circ}45'$  E  
70 lks dist marked

T 29 N R 5 E S 25 B. 1.

A Pine 14 ins dia tree S  $49^{\circ}30'$  W  
142 lks dist marked

T 29 N R 5 E S 29 B. 1.

Soil  $4\frac{1}{2}$  Rate - stony

Formation Volcanic Fine

Character Mountainous

84.03 the Heavy Timber - Dense Bush

84.03 the Mountainous in character

S  $89^{\circ}54'$  E on a random line  
bet Secs 21 and 25

Subdivisions T 29 N R 5 E Cont'd  
chains

40.00 Set temporary  $\frac{1}{4}$  Sec Cor

80.14 Intersect N and S line at Cor. of  
Secs 21, 22, 27 and 28

Thence S run

N  $89^{\circ}54'$  W on a true line bet  
Secs 21 and 28

Level

Lowest Cedar Pinon Pine and Oak Brush

8.00 Enter Heavy Pine and  
Descend rapidly

14.00 Cross wash cr S<sup>ly</sup> and  
Ascend gradually

16.20 Cross trail bet N and S<sup>ly</sup>

40.07 Set a Pine Post 3 ft long 3 ins  
sq, 24 ins in ground for  $\frac{1}{4}$  Sec Cor  
bet Secs 21 and 28 marked  $\frac{1}{4}$  S  
21 on N face and S 28 on S face,  
from which

A Pine 8 ins dia bet N  $50^{\circ}15'$  E  
192 Oak dist marked  $\frac{1}{4}$  S 21 Q. T.

Subdivisions T. 29 N R. 5 E Cont'd  
chains

- A Pine 14 ins dia brk N 2° 15' W  
H 5' lks dia marked 1/4 S 28 B. 1.  
Ascend gradually  
52.00 Leave three Cedar and Pinon - Enter  
heavy Pines and  
Descend gradually  
54.00 Descend abruptly - Rocky  
60.00 Descend gradually  
62.00 Cross trail br N E and S W ly  
Ascend gradually  
70.00 Level  
77.00 Enter Cedar <sup>Oak</sup> and Pinon and  
leave heavy Pines  
80.14 The cor of Secs 20, 21, 28 and  
29  
Soil 4<sup>th</sup> Rate  
Formation Volcanic Lime  
Character Mountainous  
82.51 Chs Heavy Timber - Dense Brush  
82.51 Chs Mountainous in character



Submeris T 29 N R 5 E Cont'd  
 @ Home

Aug 17. 7 a.m. l.m.t. 2 lay off  $80^{\circ}14'N$   
 on lat arc and  $13^{\circ}24'N$  on decl arc  
 and determined the true Meridian  
 with the Solar at Cir of Secs. 20,  
 21, 28 and 29

Thence 2 run

$N 0^{\circ}3' W$  bet Sec 20 and 21  
 Level

Thence Cedar, Pines and Oak Brush  
 and heavy Pine

40.00 Set a Pine Post 3 ft long 3 ins  
 dia 24 ins in ground for  $\frac{1}{4}$  Sec  
 Cir bet Sec 20 and 21 marked  
 $\frac{1}{4}$  S 20 on N face and S 21  
 on E face; from which

A Pine 16 ins dia br  $N 29^{\circ}45' N$   
 55 lbs dia marked  $\frac{1}{4}$  S 20 B.T.

A Pine 6 ins dia br  $N 32^{\circ}30' E$   
 28 lbs dia marked  $\frac{1}{4}$  S 21 B.T.

Slightly rolling - gradually ascending

Subdivision T 29 N R 5 E Cont'd  
chain

80.00 Set a Pine Post 3 ft long 4 ins

sq., 24 ins in ground for Cor of  
Secs 16, 17, 20 and 21 marked

T 29 N S 16 on N. E.

R 5-E S 21 on S. E.

S 20 on S W cor

S 17 on NW face with  
3 notches on S and H notches  
on E edge, from which

A Cedar 24 ins dia br S 61°30' E

166 lbs dia marked

T 29 N R 5 E S 21 B. P.

A Pine 22 ins dia br N 33°15' W

140 lbs dia marked

T 29 N R 5 E S 17 B. P.

A Pine 20 ins dia br S 60°45' W

177 lbs dia marked

T 29 N R 5 E S 20 B. P.

A Pine 22 ins dia br N 42°30' E

266 lbs dia marked

Subdivision 1 29 N R 5 E Cont'd

chains

1.29 N R 5 E Dec 16 B T.

Soil 3' Rate

Formation Volcanic Tine

Character Mountainous

88.32 chs Heavy Timber - Horse Brush

88.32 chs Mountainous in character

S 89° 54' E on a random line  
bet Dec 16 and 21

40.00 Set a temporary 1/4 Sec Cor

80.14 Intersect N and S line 18 chs  
S of Cor to Decs 15, 16, 21 and 22  
Thence S run

A 89° 58' W on a true line bet  
Decs 16 and 21

Decend gradually - Rolling ground  
Some Cedar Pinn Oak and scattering  
Pine

1.50 Cross trail bet N E End & W

5.50 Cross trail bet N and S.



Subsidiaries T 29 N R 3 E Cont'g  
Chains

- 10.00 Round corral 2 chs dia  
 17.00 Enter heavy Pine and Oak Brush  
 37.00 Scattering Pine dense Cedar and Pines  
 40.07 Set a Pinon Post 3 ft long 3  
 in top, 24 pins in ground for  
 1/4 sec cor bet sec 16 and 21  
 marked 1/4 S 16 on N face and  
 S 21 on E face. from which  
 A cedar 10 ins dia br S 41° E  
 23 the dist marked 1/4 S 21 B. 1.  
 A Pine 10 ins dia br N 40° 45' E  
 51 the dist marked 1/4 S 16 B. 1.  
 53.00 Open park  
 60.00 Enter dense Cedar Pinon - Oak Brush  
 80.14 Cor of sec 16, 17, 20 and 21  
 Sire 4<sup>th</sup> Rate  
 Formation Volcanic Lime  
 Character Mountainous  
 7 chs Open Park  
 73.88 chs Heavy Timber - dense Brush  
 80.88 chs Mountainous in Character

Subdivisions T 29 N R 6 E Contd  
chains

N<sup>o</sup> 3' N bet Secs 16 and 17

Land slightly rolling gradually ascending  
dense Cedar, Spruce, Pine, Oak Brush

40.00 Set Pine Post 3 ft long 3 ins sq  
24 ins in ground for  $\frac{1}{4}$  Sec Cor bet  
Secs 16 and 17 marked  $\frac{1}{4}$  S 17 on W  
face and S 16 on E face, from which  
A Pine 18 ins dia br S @ 20<sup>o</sup> 30' E  
45 lbs dia marked  $\frac{1}{4}$  S 16  $\text{V} 2$  T.

A Pine 7 ins dia br S @ 39<sup>o</sup> 15' N 33  
lbs dia marked  $\frac{1}{4}$  S 17  $\text{V} 2$  T.

46.00 Descend gradually toward Cocomino  
Basin

59.50 Descend abruptly

70.00 A house <sup>and corral</sup> about  $\frac{1}{2}$  m N W ly be-  
longing to Newt. Lewis

80.00 Set a limestone 24 X 14 X 12 ins  $\frac{3}{4}$   
in ground for Cor Secs 8, 9, 16  
and 17 marked with H notches on  
N and E edges; from which

Subdivisions T 29 N R 5 E Cont'd  
chains

A Pine 18 ins dia br N  $52^{\circ}$  N 46  
the dia marked

T 29 N R 5 E S 8 B.T.

A Pine 16 ins dia br S  $52^{\circ}$  E 29  
the dia marked

T 29 N R 5 E S 16 B.T.

A Pine 7 ins dia br S  $60^{\circ} 15'$  W  
34 the dia marked

T 29 N R 5 E S 17 B.T.

A Pine 10 ins dia br N  $38^{\circ}$  E  
63 the dia marked

T 29 N R 5 E S 9 B.T.

Soil H<sup>15</sup> Rate

Formation Volcanic Tine  
Character Mountainous

82.50 chs Heavy Timber - Loose Brush

82.60 chs Mountainous in Character

N  $89^{\circ} 58'$  E on a rounded line  
bet Sec 9 and 16



Subdivisions T 29 N R 5 E Cont'd  
chains

40.00 Set a temporary  $\frac{1}{4}$  Sec Cor  
80.08 Intersect N and S line: 16 lks S of  
Cor to Secs 9, 10, 15 and 16

Thence S run

S  $89^{\circ}51'$  W on a true line bet  
Secs 9 and 16

On rough N slopes - S of Occochee Basin  
dense Cedar, Pinon, Pine and Oak brush

20.00 Slope so steep as to barely give  
foothold

40.04 Set a limestone  $18 \times 14 \times 10$  ins  $\frac{1}{4}$   
ins in ground for  $\frac{1}{4}$  Sec Cor bet  
Secs 9 and 16 marked  $\frac{1}{4}$  S on N  
face, from which

A Cedar 8 ins dia bet S  $71^{\circ}15'$  W  
34 lks dia marked  $\frac{1}{4}$  S 16 B.T.

A Pinon 6 ins dia bet N  $48^{\circ}30'$  E  
42 lks dia marked  $\frac{1}{4}$  S of B.T.

Along rocky N slopes

46.00 Descend rapidly

Submeridian T 29 N R 3 E Cont'd  
Chains

56.00 Cross wire fence bra N + S

57.00 Descend gradually

59.00 Ascend rapidly

62.00 Descend rapidly

68.00 Along Nly rocky slopes to Co-  
Corino Basin

80.08 The Cor'd Secs of 8, 9, 16 and 17  
Soil H<sup>th</sup> Rate

Formation Volcanic Line

Character Mountainous

80.84 ch. Heavy Timber - dense Bush

80.84 ch. Mountainous in Character.

From the A. C. of Secs 31 and 32  
which is a stone firmly set in  
the ground and witnessed as  
described by the Surveyor General  
I run

N 0° 3' <sup>W</sup> bet Secs 31 and 32

Level

Supervisor's T 29 N R 5 E Cont'd  
chains

Leave Cedar, Pine, and Oak Brush

- 1.00 Ascend rapidly
- 3.00 Cross wash cr  $\Delta$  4 and  
ascend abruptly over line breaks
- 9.00 Ascend gradually
- 10.00 Set a Pinon Post 3 ft long 3 in dia  
24 ins in ground for  $\frac{1}{4}$  Sec Cor bet  
Secs 31 and 32 marked  $\frac{1}{4}$   $\Delta$  31 on  
W face and  $\Delta$  32 on E face from  
which
- A Pinon 7 ins dia br N  $41^{\circ}45'$  W  
20 lbs dia marked  $\frac{1}{4}$   $\Delta$  31 P. I.
- A Pinon 6 ins dia br. N  $55^{\circ}45'$  E  
17 lbs dia marked  $\frac{1}{4}$   $\Delta$  32 P. I.
- 60.00 Enter Pines and dense Oak Brush  
Ascend gradually
- 80.00 Set a limestone  $\frac{1}{6} \times \frac{1}{3} \times \frac{7}{8}$  ins  
~~ins~~ in ground for Cor of Secs  
29, 30, 31 and 32 marked with  
1 notch on  $\Delta$  and 5 on E edges, from which



Subdivisions T 29 N R 5 E Cont'd  
chains

A Pine 22 ins dia br S  $78^{\circ}30' N$   
41 lks dist marked

T. 29 N R 5 E. S 31 B. 1.

A Pine 18 ins dia br N  $2^{\circ}45' W$   
102 lks dist marked

T 29 N R 5 E S 30 B. 1.

A Pine 20 ins dia br S  $41^{\circ}30' E$   
212 lks dist marked

T 29 N R 5 E S 32 B. 1.

A Pine 12 ins dia br N  $45^{\circ} E$   
105 lks dist marked

T. 29 N R 5 E S 29 B. 1.

Soil 4<sup>th</sup> Rate

Formation Volcanic Lime

Character Mountainous

84.97 chs Heavy Timber - Pine Brush

84.97 chs Mountainous in Character.

Aug 18 7 a.m. l m t & lay off  
 $36^{\circ}13' N$  on lat arc and  $13^{\circ}10' N$

Subdivisions T. 29 N R 5 E Cont'd  
chains

on decl arc and determined the  
true Meridian with the Solar

Thence I run

E on a random line bet Sec  
29 and 32

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

80.12 Intersect N and S line 16 lks S  
of Cor to Secs 28, 29, 32 and 33

Thence I run

S  $89^{\circ}53'$  N on a true line bet  
Secs 29 and 32

Rolling ground

Heavy Pine-Dense Oak Brush

7.25 Cross trail bet N & S <sup>ly</sup>

13.00 Cross wash cr S <sup>ly</sup> and over  
rolling ground

10.75 Cross trail bet N and S <sup>ly</sup>

22.75 Cross wash cr S <sup>ly</sup>

24.50 Cross trail bet N & S <sup>ly</sup>

26.50 Cross large trail bet N & S <sup>ly</sup>

Subdivision T 29 N R 5 E Cont'd  
Chains

32.60 Cross trail bet N<sup>4</sup> and S<sup>4</sup> by

40.06 Set a limestone 20x12x8 ins

$\frac{3}{4}$  in in ground for  $\frac{1}{4}$  Sec Cor  
bet Secs 29 and 32 marked  
 $\frac{1}{4}$  S on N face, from which  
a Pine 18 ins dia bet N 190 W  
70 lks dist marked  $\frac{1}{4}$  S 29 B.T.  
A Pine 18 ins dia bet S 27°15' N  
90 lks dist marked  $\frac{1}{4}$  S 32 B.T.

Rolling ground

43.00 Cross old road bet N and S by

71.00 Descend rapidly

76.50 Cross wash or S by

80.12 The Cor of Secs 29, 30, 31 and 32

Soil 4<sup>th</sup> Rate

Formation Volcanic Lime

Character Mountainous

81.72 chs Heavy Timber - dense Brush

81.72 chs Mountainous in character



Supervisor T. 29 N R 5 E Cont'd  
chains

W on a random line bet Secs 30 & 31

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

80.16 Intersect W bdy 22 lks N

of Cor to <sup>secs</sup> 25, 30, 31 and 36.

Thence 2 min on a true line

N  $89^{\circ}51'$  E on a true line bet

Secs 30 and 31

Land Rolling - Heavy Pine, dense Oak Brush

8.50 Cross hole bdy N & S and

descend gradually

21.00 Cross wash or S E

26.00 Cross Red Horse and Grand Canyon

road by N. W. and S. E. and

descend gradually

34.00 Descend rapidly

39.00 Over rolling ground

40.16 Set a Pinon Post 3 ft long 3 ins

dia, 24 ins in ground for  $\frac{1}{4}$  Sec

Cor bet Secs 30 and 31 marked

$\frac{1}{4}$  S 30 on N face and S 31 on S face

from which

Subdivision T 29 N R 5 E Cont'd  
chains

A Pine 14 ins dia br N  $31^{\circ}15' W$

35 lbs dia marked  $\frac{1}{4}$  S 30 D.I.

A Pine 20 ins dia br S  $57^{\circ}45' W$

48 lbs dia marked  $\frac{1}{4}$  S 31 D.I.

50.00 descend rapidly

56.70 Cross creek or S<sub>4</sub> and ascend  
rapidly

62.75 Level

77.00 descend rapidly

Cedar Pinon and Pine

80.16 The top of Secs 29, 30, 31 and 32

Soil  $\frac{1}{2}$  Rate

Formation Volcanic Lime

Character Mountainous

80.99 the Heavy timber - dense brush

80.99 the - Mountainous in character.

N<sup>o</sup> 3' W bet Secs 29 and 30

Level

Heavy Cedar and Pinon

Subdivision T 29 N R 5 E Cont'd  
chains

- 40.00 Set a Pine Post 3 ft long 3 in  
apx 24 ins in ground for  $\frac{1}{4}$  Sec  
Cor bet Secs 29 and 30 marked  
 $\frac{1}{4}$  S 30 on N face and S 29 on  
E face, from which  
A Pinon 10 ins dia br N  $17^{\circ}15'$  E  
116 lbs dia marked  $\frac{1}{4}$  S 29 B. 1.  
A Pinon 8 ins dia br S  $39^{\circ}15'$  W  
39 lbs dia marked  $\frac{1}{4}$  S 30 B. 1.  
Ascend gradually
- 40.80 Cross road br N W and S E.
- 57.00 Ascend gradually and  
Leave dense cedar and Pinon and  
Enter heavy Pine-elm-oak brush
- 54.25 Cross trail br N W and S E.
- 57.00 Cross wash cr S E  $4^{\circ}$  curd  
Ascend gradually
- 80.00 Set a limestone 17 X 12 X 7 ins  $\frac{2}{3}$   
~~ins~~ in ground for Cor of Secs  
19, 20, 29 and 30 marked with  
2 notch on S and 5 on E edge, from which



Subdivisions T 29 N R 5 E Cont'g  
chains

A Pine 10 in dia br S  $110^{\circ}15'$  N

21 lbs dia marked

T. 29 N R 5 E S 30 B. T.

A Pine 12 in dia br S  $87^{\circ}$  E

39 lbs dia marked

T 29 N R 5 E S 29 B. T.

A Pine 10 in dia br N  $87^{\circ}15'$  W

21 lbs dia marked

T. 29 N R 5 E S 19 B. T.

A Pine 22 in dia br N  $66^{\circ}45'$

E 115 lbs dia marked

T. 29 N R 5 E S 20 B. T.

Soil 4<sup>th</sup> Rate

Formation Peccan Line

Character Mountainous

83.57 chs. Heavy Timber - Dense Brush

83.51 chs Mountainous in Character

N  $89^{\circ}53'$  E on a random line  
bet Dec 20<sup>th</sup> and 29

Supervisors T. 29 N R 5 E Cont'd  
Chains

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

80.10 Intersect - N and S. line 7 the N of  
Cn to Sec 20, 21, 22 and 29

Thence S run

S  $89^{\circ}56'$  W on a true line bet  
Secs 20 and 29

Land slightly rolling

Dense Cedar, Pinon, Oak Brush and Scattered  
Pine

5.00 Heavy Pine and dense Oak Brush

9.00 Descend rapidly

11.50 Cross creek on S  $\frac{1}{4}$  and

Ascend gradually

14.00 Leave Pine and enter dense Cedar  
and Pinon.

29.00 Descend gradually

40.05 A Pine tree 10 ins dia for  $\frac{1}{4}$  Sec  
Cor bet Sec 20 and 29 marked  
 $\frac{1}{4}$  S 20 on N side and S 29 on  
S side; from which

Subdivision T 29 N R 5 E Cont'd  
chains

- A Pinon 6 ins dia br N  $16^{\circ}30' E$   
30 lbs dist marked  $\frac{1}{4}$  S 20 B.T.
- A Pine 18 ins dia br S  $81^{\circ} W$   
56 lbs dist marked  $\frac{1}{4}$  S 29 B.T.
- Enter heavy Pines - dense Oak Brush
- Descend gradually  
48.00 Descend rapidly
- 50.00 Cross wash cr S  $4$  and  
Cross trail br N and S and  
Ascend rapidly
- 56.00 Level  
Enter dense Cedar and Pinon
- 68.00 Leave cedar and Pinon and  
Enter heavy Pine and dense Oak Brush
- Descend gradually
- 74.00 Descend rapidly
- 77.85 Cross wash cr S  $4$  and  
Ascend abruptly
- 79.80 Level
- 80.10 The Cr of Dec 19, 20, 29 and 30  
Soil H<sup>B</sup> Rate



Subdivisions T. 29 N R 3 E Cont'd  
chains

Formation Volcanic Line

Character Mountainous

80.96 chs Heavy timber - dense brush

80.96 chs Mountainous in character

————— " —————

S 89°51' N on a random line  
bet Sec 19 and 30

40.00 Set a temporary 1/4 Sec Cor

80.30 Intersect W bdy 23 like S of Cor  
of Sec 19, 24, 25 and 30

Thence 2 run

S 89°55' E on a true line bet  
Sec 19 and 30

Descend rapidly

Heavy Pine - dense Oak Brush

3.00 Cross wash on S by and

Ascend abruptly

5.00 Ascend gradually

17.15 Cross timber bet N W and S E

21.00 Descend gradually

Subdivisions T 29 N R 5 E Cont'd  
chains

- 28.50 Stake in mound of stone cor  
to Red Horse Tank 1.75 chs S.
- 29.00 N fence to Red Horse Tank en-  
closure about 350 lks S
- 30.00 Red Horse buildings by R 8°30' W  
about 15 lks dist to main building
- 32.65 Cross Red Horse and Grand Cañon  
road by NW and SE
- 34.75 Cross wash er S W<sup>ly</sup> and  
Ascend rapidly
- 39.00 Ascend gradually
- 40.30 A Pine Post 3 ft long 3 ins top  
24 ins in ground for 1/4 Sec cor  
bet Sec 19 and 30 marked 1/4 S 19  
on N face and S 30 on S face; from  
which  
A Pine tree 30 ins dia by N 79° W  
42 lks dist marked 1/4 S 19 Q. T.  
A Pinon 10 ins dia by S 6° W  
157 lks dist marked 1/4 S 30 Q. T.

Subdivisions T 29 N R 5 E Cortland  
chains ascend gradually

43.50 Crossroad bet NE and SW

50.00 Level

65.00 Ascend gradually

74.00 Descend gradually

80.30 the Cor of Sec 19, 20, 29 and 30

Soil 4<sup>th</sup> Rate

Formation Volcanic Lime

Character Mountainous

82.29 cha Heavy Timber-Dense Brush

82.29 cha Mountainous in Character

————— " —————

Aug 19, 7 a.m. l.m.t I lay off  $36^{\circ}14'$

N on lat arc and  $12^{\circ}51'$  N on decl

arc and determined the true

Meridian with the Solar

Thence I run

N  $0^{\circ}3'$  W bet Sec 19 and 20

Ascend gradually  
Heavy Pines and dense Oak Brush

0.50 Descend gradually

9.50 Cross road bet NE and SW



Subdivision 1 29 N R 5 E Cont'd  
chains

acena abruptly along rocky  
N<sup>4</sup> slopes

17.00 Acena gradually

40.00 Set a Linestone 22 X 12 X 8 ins

12 ins in ground for  $\frac{1}{4}$  Sec 19  
bet Sec 19 and 20 marked  
 $\frac{1}{4}$  S on N face; from which  
a Pine 22 ins dia br S  $50^{\circ}$  E 67  
lks dist marked  $\frac{1}{4}$  S 20 B.T.  
A Pine 20 ins dia br S  $20^{\circ}$  15' N  
94 lks dist marked  $\frac{1}{4}$  S 19 B.T.

Acena gradually

80.00 Set a Pine Post 8 ft long

4 ins @ 24 ins in ground for  
Cor of Sec 17, 18, 19 and 20  
marked.

T. 29 N S 17 on N. E.

R 5 E S 20 on S E

Sec 19 on S N

Sec 18 on N N face with

Subdivisions T. 29 N R 5 E Cont'd  
 chains

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

A Cedar 6 ins dia brs N  $13^{\circ}30' W$   
 86 the dist marked

T. 29 N R 5 E S 18 B. T.

A Pine 6 ins dia brs S  $29^{\circ}15' W$   
 116 the dist marked

T. 29 N R 5 E. S 19 B. T.

A Pine 20 ins dia brs S  $49^{\circ}45' E$   
 88 the dist marked

T. 29 N R 5 E. S 20 B. T.

A Pinon 10 ins dia brs N  $56^{\circ}30' E$   
 190 the dist marked

T. 29 N R 5 E S 17 B. T.

Soil 4<sup>th</sup> Rate

Formation Volcanic Lime

Character Mountainous

86.41 the Heavy Timber-dense Brush

86.41 the Mountainous in character

Subdivision T. 29 N R 3 E Cont'd  
chains

N  $89^{\circ}56'$  E on a random line  
bet Sec 17 and 20

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

80.06 Intersect N and S line 10 lks

S of Cor to Secs 16, 17, 20 and 21

Thence S run

S  $89^{\circ}52'$  N on a true line bet  
Secs 17 and 20

Over rolling ground - descending gradually  
thru Cedar, Pinon, Pine, and Oak Run

4.00 Enter Heavy Pines

10.00 Ascend rapidly

21.00 Descend gradually

30.00 Descend rapidly

36.50 Cross wash or S $\frac{1}{4}$  and

Ascend gradually

40.03 Set a Limestone  $20 \times 14 \times 10$  ins

$\frac{3}{4}$  in ground for  $\frac{1}{4}$  Sec Cor

bet Secs 17 and 20 marked

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



## Subdivisions T29, N, R. 5, E.

A pine 24 ins. in diam. Crs. N. 22° 45' W.

76 lks. dist. marked  $\frac{1}{4}$  S. 17, B.T.

A pine 6 ins. in diam. Crs. D. 55° W.

21 lks. dist. marked  $\frac{1}{4}$  P. 20, B.T.

Ascend gradually.

43.00 Level

60.00 Descend rapidly.

63.5 Cross wash course  $P_{20}^{20}$  and ascend rapidly - Dense Oak Brush and pines.

71.50 Level.

72.50 Entire dense cedar and pinon.

80.06 The cor. of secs. 17, 18, 19 and 20.

Soil 4<sup>th</sup> rate.

Formation volcanic tuff.

Character mountainous

81.03 Heavy Timber - Dense Brush.

81.03 Chs. Mountainous in character.

Subdivisions T. 24, N. R. 5. E.  
 Chanis

- N. 89° 55' N. on a random line  
 bet. secs. 18 and 19.
- 40.00 Det. temp.  $\frac{1}{4}$  sec. cor.
- 80.20 Intersect N. bdy. at 40 Chs. N. of  
 cor. to secs. 13, 18, 19 and 24.  
 Thence I run.
- N. 89° 48' E. on a true line bet.  
 secs. 18 and 19. - descend rapidly  
 heavy pine and dense oak brush
- 8.00 Cross wash course  $\overline{D}$ .
- Three washes join one from E,  
 one from N. one from N.W. just  
 N. of this point.
- 14.40 Cross wash course  $N^{\text{th}}$  and
- 14.50 Cross old road Flag staff, Red Horse  
 and Grand Canon bis. N.W.  $\frac{3}{4}$  D. E.
- 30.00 Level.
- 36.00 Descend gradually.
- 40.10 Det a pine post 3 ft. long, 3 ino

Subdivisions T. 29 N., R. 5, E.

Chains

sq. 24 ins in ground for  $\frac{1}{4}$  sec.  
 cor. bet. secs. 18 and 19 marked  
 $\frac{1}{4}$  P. 18 on N. face and P. 19,  
 on S. face, from which,  
 A pine 8 ins. in diam brs. N.  $59^{\circ}$   
 $45'$  W. 59 lbs. dist. marked  $\frac{1}{4}$  P. 18,  
 B.T., A pine 24 ins. in diam.  
 brs. P.  $54^{\circ} 30'$  E. 69 lbs. marked  
 $\frac{1}{4}$  P. 19, B.T.

57.70 Cross wash course P. 18  
 61.00 Cross wash course P. W. 19  
 75.00 Entire dense oak brush, cedar,  
 pines, scattering pine.  
 Level.

80.20 The cor. to secs. 17, 18, 19<sup>th</sup> and 20.  
 Oil 4<sup>th</sup> rate

Formation volcanic lime.  
 Character mountainous.  
 81.48 Chs. Heavy timber, dense brush.  
 81.48 Chs Mountainous in character.



Subdivisions T. 29 N., R. 5 E.  
 Chamis

Aug. 19<sup>th</sup> at 12. ~~11~~ M. l.m.t. I set off  
 12°45' N on decl. arc and find the  
 lat. to be 35°52' N. At the l.m.t. with  
 35°52' N. on lat. arc and 12°45'  
 N. on decl. arc, I determine the  
 true meridian with the solar  
 at the cor. of secs. 17, 18, 19<sup>th</sup> & 20<sup>th</sup>.  
 Thence I run

N 0°3' N. bet. secs. 17<sup>th</sup> & 18. ascend  
 gradually, dense cedar, pinon  
 and oak brush. Scattering pine

20.00 Descend gradually.

40.00 Set a pine post 3 ft. long, 3 ins  
 sq. 24 ins. in ground for  $\frac{1}{4}$  sec. cor.  
 bet. secs. 17 and 18, marked  $\frac{1}{4}$  P.  
 18 on N. face and P. 17<sup>4</sup> on E  
 face, from which

A pine 6 ins. in diam. brs. N. 86°15' E  
 54 lks. dist. marked  $\frac{1}{4}$  P. 17, B. T.

A pine 24 ins. in diam. brs. P. 84°30'

Subdivisions T. 29 N., R. 5, E.

Chains

138 lks. dist. marked  $\frac{1}{4}$  P. 18, B. T.  
Level.

57.00 Descend abruptly.

69.25 Cross wash course N. E. and  
ascend abruptly.

77.00 Along N. E. slopes.

80.00 Set a limestone 22x14x12 ins.  
12 ins. in ground marked with  
5 pellets on W and E edges, for  
cor. to sec. 7, 8, 17 and 18;  
from which.

A pinon 7 ins. in diam. brs. @ 44°  
45' N. 104 lks. dist. marked  
T. 29 N., R. 5, E. P. 18, B. T.

A pinon 5 ins. in diam. brs. @  
10° 30' E. 103 lks. dist. marked  
T. 29 N., R. 5, E. P. 17, B. T.

An oak 5 ins. in diam. brs.  
N. 42° 30' W. 71 lks. dist. marked  
T. 29 N., R. 5, E. P. 7, B. T.

Subdivisions T. 29 N., R. 5, E.

No other trees within limits.

Soil 4<sup>th</sup> rate.

Formation volcanic line.

Character mountainous.

84.70 Chs. Heavy timber - dense brush.

84.70 Chs. Mountainous in Character.

— " —

N. 89° 52' E. on a random line

bet. secs. 8 and 17.

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

80.10 Intersect Rand. @ line 26 lks. N  
of cor. to secs. 8, 9, 16 and 17.

Thence I run

N. 89° 57' N. on a true line bet.

secs. 8 and 17.

Along rough N<sup>ly</sup> slopes S. of  
Cecovine Basin.

Dense cedar, pinon and scat-  
tering pine and oak brush



Subdivisions T. 29 N., R. 5 E

chains.  
8.00

Cross wire fence bet. N.W. and  
P.E. <sup>ly</sup>, belongs to New Lewis ranch  
house & corral about 1 m. N.W. <sup>ly</sup>.

11.00 Ascend over cliffs <sup>3/4</sup> P.E. <sup>ly</sup> slopes.

36.00 Top of cliffs <sup>3/4</sup> along rocky point.

40.05 Cross (X) on rock in place for <sup>1/4</sup>  
sec. cor. bet secs. 8 <sup>2d</sup> & 17, marked  
<sup>1/4</sup> P. on rock, from which a  
pinion 6 ins. in diam. bet. N. 15°  
E. 3 lks. dist. marked <sup>1/4</sup> P. 8, B.T.  
A pinion 8 ins. in diam. bet. P. 1° E.  
24 lks. dist. marked <sup>1/4</sup> P. 17, B.T.

Ascend gradually along N. E.  
slopes of Concenino Basin  
Level.

59.00

62.00 Descend abruptly.

69.00

Cross wash course N. <sup>ly</sup> and  
ascend abruptly.

80.10

The cor. to secs. 7, 8, 17 and 18  
Soil 4<sup>th</sup> rate.

## Subdivisions T. 29 N., R. 5. E.

Formation volcanic lime.  
 character mountainous  
 80.37 Chs Heavy timber - dense brush.  
 80.37 Chs. Mountainous in Character

⊙. 89° 48' Pt. on a random line  
 bet. secs. 7 and 18.

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

80.10 Intersect N. Edy. of Tp. 23 lks (V)  
 of cor. to secs. 7, 12, 13<sup>rd</sup> and 18,  
 Thence I run

N. 89° 58' E on a true line  
 bet. secs. 7 and 18.

Ascend gradually.  
 Heavy pine and dense <sup>oak</sup> brush

8.00 Level.

Dense cedar and juniper.

40.10 Set a pine post 3 ft. long. 3  
 ins. sq. 24 ins. in ground  
 for  $\frac{1}{4}$  sec. cor. bet. secs. 7 and

Subdivisions T. 29 N., R. 5 E.

Chamis.

18, marked  $\frac{1}{4}$  P. 7 on N. face  
and P. 18, on P. face, from  
which a cedar 12 ins. in  
diam. brs. N. 55° E. 54 lks.  
dist. marked  $\frac{1}{4}$  P. 7, B. T.

A cedar 12 ins. in diam. brs.  
P. 35° N. 66 lks. dist. marked  
 $\frac{1}{4}$  P. 18, B. T. Level.

Dense cedar and juniper.

49.00 Descend rapidly towards  
Cocoma Basin.

51.00 Old corral 1 ch. N.

61.00 Cross with course N. E  $\frac{1}{2}$  and  
ascend along rough N  $\frac{1}{2}$  slope.

68.00 ascend abruptly.

74.50 Cross old road to New-Lewis  
ranch brs. N  $\frac{1}{2}$  and P  $\frac{1}{2}$ .

75.00 Descend rapidly along N. E  $\frac{1}{2}$   
slope.



Subdivisions T. 29 N., R. 5, E.

80.10 The cor. of secs. 7, 8, 17 and 18  
Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous

81.30. Heavy timber, dense brush

81.30 Chs. mountainous in character

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General Description.

The grass is fair in Pines
and burnt districts and
openings; poor among dense
cedar and juniper.

The northern portion is
very rough & broken.

The southern portion is
about 8000 ft. elevation and
the highest parts toward the
N about 9000 ft.

The formation is volcanic
lime and the northern

Subdivisions T. 29 N., R. 5, E.

The men may decl. as determined by solar observations, corrected as per Table on page. 100, Manual of Surveying Instructions, is N 13° 10' E.

portion forming cliffs, the southern portion flooding with volcanic lime which when cool have broken into rough jagged fragments.

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

The whole is covered with heavy timber and dense brush except in very small portions. No water.

Mineral signs pass.

Sept. 2, 1900

Leaves Wolfley
U.S. Dept. Geology

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

BOOK 592

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 J. 29 N. R. 5 E.

Gila and Salt River meridians
executed by Lewis Wolfley

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.