

Book ~~No 2~~

Subdivisions of T 16 N. R. 5 E.

No 197

4-671

FIELD NOTES

GENERAL LAND OFFICE.

CONTRACT NO 101.

197

55

Indexed Book 196.

copied by G. V. March 2/03.

Township 16 N. R. 5E

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Des. sheet copied C. M. 1/2/02

Trans. 4/21/03.

Sub-divisions of T. 16 N. R. 5 E.

Chs. dist. nhd. T. 16 N. R. 5 E.
S. 22 B. T.

A cedar 10 ins. in diam
brass S. 48° 30' W. 22 lbs
dist. nhd. T. 16 N. R. 5 E.
S. 21 B. T.

Cedar 15 ins. in diam
brass N. 85° 45' W. 59 lbs
dist. nhd. T. 16 N. R. 5 E.
S. 16 B. T.

Land cuts 80 chs.
Soil rocky & 4 rate.
Dense cedar timber
80 chs.

N. 89° 56' E.

bet. sec. 15 & 22.

on a random line

46.00 Set trap. 1/4 cor.

79.80 Fall 12 chs. N. of cor.

Sub-divisions of T. 16 N

Chs

secs. 14-15-22 & 23.

Thence S -

N $89^{\circ} 59' W$ on a true line
bet. secs 15 & 22.over rough top of cuts
through dense cedar
timber.

39.90

A malpai rock in
place $34 \times 20 \times 10$ ins -
above grid. Wk ax at
exact cor. pt. $\frac{1}{4}$

Thence -

cedar 10 ins. in diam
bear N. $19^{\circ} 45' W$, 90 lbs
dist. ruled $\frac{1}{4}$ s. 15 B. T.A cedar 6 ins in diam
bear S. $28^{\circ} E$, 130 lbs.
dist. ruled $\frac{1}{4}$ s. 22 B. T.Raise a rod of stone
2 ft base $1\frac{1}{2}$ ft high

chs.
79.80

N. of cor,
Cot of secs. 15-16-2/7 22.
Mts - or land covered
with dense cedar
timber 79.80 chs.
Underbrush cedar &
chis -
Soil 4 rate



N. 0° 2' W.

bet secs 15 & 16.

over rough top of
mt. through heavy
cedar timber

40.00

Set a malpai stone
24 x 16 x 6 ins. in
the grid for 1/4 cor.
mid. 1/4 cor N. face.
Where -

A cedar 4 ins. in

Sub-divisions of T. 16 N.

Chs

drain bears N. $31^{\circ}30'E$.
5 lbs dist. rchd $\frac{1}{4}$ S. 15-
B. S.

A cedar 10 ins. in diam
bears S. $39^{\circ}5'W$. 32 lbs.
dist. rchd $\frac{1}{4}$ S. 16 B. S.

80.00

Set a sandstone 30×15 -
 $\times 4$ ins. 20 ins. in the grid
for cor of secs. 9-10-15 &
16. rchd 4 rows row S.
& 3 row E. ~~fast~~ edges
Whisk -

A cedar - 5 ins. in diam
bears S. $64^{\circ}55'W$. 184 lbs
dist. rchd T. 16 N. R. 5 E.
S. 16 B. S.

A cedar 3 ins. in diam
bears N. $34^{\circ}20'W$. 85 lbs
dist. rchd T. 16 N. R. 5 E.
S. 9 B. S.

P. S. C. H. & S. R. W. W.

Chs. No others in limits.
and raise a ridge of stone
2 ft base $1\frac{1}{2}$ ft high
W. of cor.

Pits impractic.
Laid into 80 chs.
Soil rocky - 4 rate
Dense cedar timber.

589°59' E. on a random line
bet secs. 10 & 15-

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

80.00 Fall ² chs W. of cor of
secs 10-11. 14 & 15-

Thru to Iron.

N. 89°3-8' W.

on a true line

bet. secs. 10 & 15-

over into land

According

Sub. divisions of T. 16 71

Chs

Through dense
cedar timber.

35.00

Top of steep cut & descended.

40.00

A redalpai rock in
place 3 x 2 x 2 ft above
grid - Wk sur x at
exact cor. pt. & 1/4
thru -

A cedar 4 ins in diam
bear N. 90° 5' W. 8 lbs
dist. rkd 1/4 S. 100. J.

A cedar 12 ins. in diam
bears S. 40° 8' W. 5-8 lbs.
dist. rkd 1/4 S. 100. J.

Raise a end of stover
2 ft base 1 1/2 ft high
N. of cor.

50.00

End of sec. 9-10-15 & 16.
cut land - or land
covered with dense

R. S. C. G. + S. R. Mer.

Chs. cedar timber 80 chs.
Soil 4 rate.

~~~~~

N. 0° 2' W.

bet. sec. 9 & 10.

Down gradual slope  
of rough mt. through  
scattered cedar  
timber.

21.88 Bluff & descends  
rapidly.

40.00 A sandstone in place  
6x4 ft. 8 in above rd.  
Mk a x at exact cor.  
pt.  $8\frac{1}{4}$  W. of x.

Wence -

A cedar 14 ins. in diam  
bears S. 68° W. 54 lbs  
dist rkd  $\frac{1}{4}$  S. 9 B. S.  
A pine 10 ins. in

## Sub-divisions of T6

- Chs. diam. bears S.  $43^{\circ}10'$  E.  
 143 lbs. dist. raked  $\frac{1}{4}$  S.  
 10 B. S.
- 41.25 Bed of canon - course  
 N. - & ascend.
- 51.35 Top of sandstone ridge  
 & descend.
- 65.60 Bed of canon - course  
 N. W. & ascend
- 74.70 Intersect 4th stand.  
 Pav. at 10.05 chs. N.  
 11.05 of stand. cor. of secs.  
 24 & 35 - S.  $17^{\circ}N$ ,  $R$ ,  $5^{\circ}$  E.  
 Set a sandstone 28x  
 12x4 ins. 20 ins. above  
 grad. for closing cor.  
 of secs. 9 & 10.  $W$   $W$ , 3  
 grooves on E. & W. &  
 C. C. on S. face.  
 Where -

N. R. 5-E G. & S. R. W. W.

Chs

A cedar 8 ins. in diam  
bears S.  $70^{\circ} 30' W$ , 75-  
lbs dist uphd T. 16 W. R.  
5-E, S. 9 B. S.

A cedar 5 ins in  
diam, bears S.  $180^{\circ} E$ ,  
uphd T. 16 W. R. 5-E, S 10  
B. S. - 5-6 lbs dist.

Druse pine &  
cedar timber

Perpendicular cuts  
& high lime stone  
cliffs 74-78 chs.

Soil rocky &  
4 rate.

Sept 8th 1902

## Sub-division of T. 16 N.

Chs

Sept 9<sup>th</sup> 1902 at 8.30  
 A. U. l. u. t. Set off  $34^{\circ}$   
 $45'$  on the lat. arc &  
 $5^{\circ}33'30''$  from the decl. arc.  
 & determine a true  
 mer. with the solar.  
 at the cor. of secs. 32 & 33.  
 $N. 0^{\circ}2' W$  ~~at~~ bet. secs 32 & 33

5.00

Top of ridge & descend  
 cross bottom. course  
 N. E.

9.30

17.00

cross wash. S. E. & N. W.

34.00

Top of ridge

40.00

Set a line to one 18V10X  
 5 ins. 12 ins. in the grid  
 for  $\frac{1}{4}$  sec. cor. ruled  $\frac{1}{4}$   
 on N. face.

From which

a pinon 12 ins. in diam  
 bears N.  $83^{\circ}$  E. 94 lks dist.

R. 5 E. G. & S. R. W. W.

- Chs. whid  $\frac{1}{4}$  S. 33 B. T.  
 A cedar 8 ins. in diam  
 bears N. 18° W. 92 fks. dist.  
 whid  $\frac{1}{4}$  S. 32 B. T.
- 46.00 Decend
- 58.40 Cross wash - corner E.  
 bears N.
- 73.00 Top of ridge E
- 80.00 Set a line across 24 x 14  
 x 7 ins. 16 ins. in the grid  
 for cor of secs. 28 & 29  
 32 & 33 whid with 4 notch  
 even E. & low S. edges  
 where
- A cedar 10 ins. in diam  
 bears N. 55° E. 6 fks.  
 dist. whid S. 16 W. R. 5 E.  
 S. 28 B. T.
- A cedar 8 ins. in diam  
 bears S 40° E. 54 fks. dist.

Sub-divisions of T. 16 N.

Chs.

ruled T. 16 N. R. 5 E. S 33  
B. S.

A cedar 10 ins. in diam  
ruled T. 16 N. R. 5 E. S. 32

B. S. bears S 60° W. 118  
lks dist.

A cedar 5 ins in diam

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

B. S. bears N. 15° W. 49 lks.  
dist.

Land cuts or heavily  
timbered so chs. ✓

Soil rocky. 4 rate.

Cork & palo verde  
bush.

to our random

line -

bet sec 2 8 & 33

40.00

set trap. 1/4 cor.

P. 5 C. G. &amp; S. R. Warr.

Chs.  
80.14Fall 18 lbs. S. of cor. to sec  
<sup>287 28, 333 334</sup>  
Thence S. 89° 52' Won a true line  
bet sec. 28 & 33  
overcuts land

40.07

Set a limestone 24 x  
10 x 10 ins. 16 ins. in the  
grid for  $\frac{1}{4}$  sec. cor.  
rkd  $\frac{1}{4}$  on N. face  
From whichA cedar 10 ins. in diam  
rkd  $\frac{1}{4}$  S. 33 B. T. bears  
S. 77° 30' W. 33 lbs. dist.A cedar 20 ins. in diam  
rkd  $\frac{1}{4}$  S. 28 B. T. bears  
N. 5-70° 30' E. 100 lbs. dist.

41.30

Wash - 10 lbs wide -  
course S. W.

44.75

Cross wash - course S.

Sub-divisions of T. 16 N.

- Chs. 20 lbs. wide.  
 65.35 Bottom of canon -  
 course S. & ascend.  
 70.00 Top of ridge & descend  
 80.14 To the cor. 28, 29, 32 & 33.  
 Sand cuts 80.14 chs.  
 Timber 80.14 chs.  
 Soil rocky & 4 rats  
 Underbrush scattering  
 cedar brush.

N. 0° 2' W

Set, sec. 28 & 29

- 7.60 Cross wash 10 lbs. wide  
 course S. W.  
 35.00 Cross wash 15 lbs wide  
 course N. W.  
 40.00 Set a malpai stone  
 24 x 14 x 6 ins. 16 ins. in  
 the grid for 1/4 sec. cor.



Chs.

rukd  $\frac{1}{4}$  on N. face.  
 From which  
 A cedar 12 ins in  
 diam bears S.  $20^{\circ}$  E.  
 87 lbs dist. rukd  $\frac{1}{4}$  S.  
 28 B. S.

A cedar 6 ins. in diam  
 bears S.  $11^{\circ}$  W. - 138 lbs.  
 dist. rukd  $\frac{1}{4}$  S. 29 B. S.

70.00

Top of ridge

74.80

Cross wash course  
 S. E.

11 80.00

Set a malpai stone  
 24 x 10 x 8 ins. 16 ins. in  
 the gid for cor of secs.  
 20-21-28 & 29, rukd 2  
 notches on S & 4 on E.  
 edge.

Raise a red of stone  
 2 ft base  $1\frac{1}{2}$  ft high

71

Sub-divisions of T. 16 N.

chs

N. of cor.

From which

A cedar 15 ins. in  
diam raked T. 16 N. R. 5  
E. bears S. <sup>329</sup> 46° 30' W. 191  
lbs dist. ~~T. 29 R. 1~~

A cedar 2 ft in diam  
raked T. 16 N. R. 5 E. S. 21 B. T.  
bears N. 13° E. 229 lbs dist.

No others near.

Land ruts or covered  
with dense cedars.

8 chs.

Soil 4 rate

E

N. 89° 52' E.

on a random line  
bet secs 27 & 28

40.00

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

80.10

Fall 7 lbs of cor. of Sec  
21, 22, 27 & 28

R. 5<sup>th</sup> E. G. & S. R. W. W.

- Chs. Thence Sene  
 S. 89° 49' W.  
 on a ~~straight~~<sup>true</sup> line  
 bet sec 21 & 28.  
 over onto land.
- 18.40 Cross wash - course  
 S. 77. 10 lks wide. & begin  
 to ascend
- 24.00 Top of ridge
- 40.85 A rock in place 30 x 20 x  
 14 ins. above grad. rock a  
 cross & 1/4 lat exact cor.  
 pt.  
 Thence -  
 A cedar 12 ins. in diam  
 bears N. 57° 45' E. 202 lks.  
 dist. up rd 1/4 S. 21 B. L.
- A cedar 6 ins. in diam  
 bears S. 25° W. 177 lks.  
 dist. up rd 1/4 S. 28 B. L.

Sub. divisions of T. 16 U.

|       |                                     |
|-------|-------------------------------------|
| Chs.  |                                     |
| 43.00 | Begin ascent.                       |
| 46.00 | Top of ridge.                       |
| 60.00 | Grades wash                         |
| 80.10 | The cor. of secs 20-21-<br>28 & 29. |

Wt or land covered  
with heavy timber  
80.10 chs.

Soil rocky - 4 rate.

Cedar timber.

Underbrush scrub  
cedar.

~~~~~

N. 6° S' W.

bet secs. 20 & 21.

over into land -

Ascending -

33.00	Enter timber
35.00	Top of ridge & descend
40.00	Set a malpai stone

R. S. E. G. & S. R. Mer.

Chs.

22x10x10 ins. 12 ins in
the grad for 1/4 sec. cor.
rkd 1/4 on N. face.
From which

A cedar 6 ins. in diam
rkd 1/4 S. 21 B. T. bear W.
66° E. 56 lbs. dist

A cedar 10 ins in diam
rkd 1/4 S. 20 B. T. bear S.
37° W. 109 lbs dist

46.00 Bottom of ridge +
leaves timber

48.00 Ascend.

54.00 Top of ridge.

57.00 Descend.

62.00 Bottom

80.00 Rock in place 2x2x2
ft above ground. Mk a
x at exact cor. pt. & 4
notches to S. of x

1617208
21

Sub. divisions of T. 16 N.

Chs.

From which -

Acetabularia *indiana*
 subd. T. 16 N. R. 5 E. S. 20 B. J.
 bears S. 20° W. 88 lbs dist.

Acetabularia *indiana*.
 subd. T. 16 N. R. 5 E. S. 21 B. J.
 bears S. 84° E. 220 lbs dist.

No others near.

and raise a rod of stone
 2 ft base 1 1/2 ft high W.
 of cor. PITS IMPRACT.

Mts or land covered
 with dense timber. 80.00.
 Soil rocky. 4 rate
 scattering cedar brush.

Sept 9th 1902

Sept 10th 1903 at 7.30

Alt. l. int. S set of 34°
 48' on the lat. arc. &
 50' 40" on the decl. arc.

Chs. and determine the true
curr. with the solar.
at the cor of secs. 16 & 17-
20 & 21.

Spencer Run
N. 89° 49' E.

on a random line
bet secs 16 & 21

40.00

Set trap, 1/4 cor.

79.80

Fall 7 lks N. of cor. ^{of Sec} 15, 16, 21 & 22

Spencer Run
S. 89° 51' W.

on a true line
bet secs 16 & 21

over into land

30.00

Bottom of hill - enter
dense timber.

39.90

Set a walpai stone
20 x 14 x 8 ins. 16 ins. in the
grd for 1/4 cor. up rd 1/4

Sub-divisions of T. 16 N.

Chs.

on N. face -

From which -

Cedar 4 ins. in diam.

near N. 25° W. 117 lbs.

dist. up rd $\frac{1}{4}$ S. 16 B. S.

Cedar 8 ins. in diam.

near S. 70° W. 283 lbs.

dist. up rd $\frac{1}{4}$ S. 21 B. S.

49.00 Foot of descent & ascend.

54.00 Top of ridge & descend.

60.00 Enter dense cedar
timber.

65.00 begin steep ascent.

79.80 The cor. ^{of sec} 14, 17, 20 & 21

Mts - or land covered
with dense timber

79.80 chs.

Soil rocky - 4 rate.

Underbrush - scrub

cedar

Chs.

N. 0° 2' W.

bet. 16 & 17.

over rut land

Ascending-

37.00

Top of ascent & begin descent of malpai rut.

40.00

Set a malpai stone 24 x 16 x 8 ins in a rut of stone rwd $\frac{1}{4}$ out N. face. From which - a cedar 4 ins in diam bears S. 45° E. 12 lbs dist. rwd $\frac{1}{4}$ S. 16 B. T.

A pinon 6 ins in diam bears S. 88° 15' W. rwd $\frac{1}{4}$ S. 17 B. T. 120 lbs. dist.

46.10

Begin rapid descent

54.10

Descent 400 ft. perpendicular sandstone wall.

Sub-divisions of T. 16 N.

Chg.
88.00

Set a limestone 24 x 8 x
5 ins. 12 ins. in the grid.
& surround same with
a rim of stone. Make 4
notches on S. & E. edges.
Where -

A pinon 4 ins. in diam
bears S. 17° W. 75 lbs. dist.
upd T. 16 N. R. 5 E. S. 170 B. T.
A cedar 10 ins. in diam
bears N. 48° W. 155 lbs.
dist. upd T. 16 N. R. 5 E. S.
8 B. T.

A pinon 4 ins. in diam
bears N. 31° E. 27 lbs. dist.
upd T. 16 N. R. 5 E. S. 90 B. T.
A cedar 20 ins. in diam
bears S. 56° 28' E. 49 lbs.
dist. upd T. 16 N. R. 5 E. S.
16 B. T.

8916-12

Chs. Wetland 80 chs.
 Soil 4 rate
 Timber cedar &
 pine -
 Oak underbrush -
 Coxison S. brink of
 a canon - a limestone
 cliff. bearing N. & S.
 lies 3 chs. E.

N. 89° 51' E.

on a random line
bet sec. 9 & 16.

40.00

Set temp. 4 cor.

80.00

Fall 21 chs. N. of cor. of sec. 9, 10, 15 & 16

Thence Home

N. on a true line
bet sec 9 & 16.

35.00

run rough broken cuts.
Described perpendicular

Sub. divisions of T. 16 N.

- Chs.
(40.00) Tuff 150 ft high.
Set a sandstone 20x14x4
ins. 15 ins. in the grid.
for $\frac{1}{4}$ cor. rwd $\frac{1}{4}$ out of
face.
- Whence -
Acacia 24 ins in diam.
bears N. 62° E. 45 lbs dist.
rwd $\frac{1}{4}$ S. 9 P. S.
- A pine 4 ins in diam.
bears S. 29° W. rwd $\frac{1}{4}$ S.
16 P. S. 75 lbs dist.
- 49.75 Bed of canon, course
N. W. & ascerud.
- 57.20 Ridge & descent
- 72.00 Bed of canon, course
N. W. 30 lbs wide
- 77.80 Top of sandstone
ridge.
- 80.00 The cor. of sec 8-9-168/7.

R. S. G. G. + S. R. W. W.

Chs. Dense cedar & pine
timber.

Soil rocky - 4 rate.
uts or land covered
with dense cedar &
pine timber & chs.
Oak & alder brush
& chs.

N. 0° 2' N.

between 8 & 9.

on a true line
over heavy uts.

11.50

Bottom of canon -
course N. N. 18° W.
wide & ascend.

25.75

Top of sandstone ridge
& descend.

38.00

Dr. wash - course
N. N.

Int. divisions of S. 16 N.

cls.
40.00

Set a sandstone 20x8x
6 ins. 15 ins. in the grid for
 $\frac{1}{4}$ cor wkd $\frac{1}{4}$ on N. face.
Thence -

A pinon 14 ins. in
diam bears N. $73^{\circ} 15' W.$
270 lbs dist. wkd $\frac{1}{4}$ S. 8 B,
S.

a cedar 12 ins. in
diam. bears S. $59^{\circ} 30' E.$
369 lbs dist. wkd $\frac{1}{4}$ S.
9 B, S.

48.60

Foot of malpai butte
& ascend

56.58

Top - & descend -

62.00

Top of sandstone
ridge & descend

73.80

Intersect ^{4th Standard} parallel
at a pt. 11.5 chs. N. of
Stand. cor. of sec. 33 & 34.

P. 5 E. G. & S. R. Miller

T17 N. R. S. E.

Chs.

1 Aeta sandstone 20x10x
4 ins. / 6 ins. in the grad.
raked 4 grooves on E. &
2 on N. face. & L. L. on
S. face. —

For closing cor of
secs. 8 & 9.

Whence -

A piou 8 ins. in
diam bears S. 41° 45' W.
131 lbs dist. raked 16 ft.

P. 5 E. S. 8 B. T.

A cedar 10 ins. in diam
bears S. 57° E. 76 lbs. dist.
raked 16 ft. P. 5 E. S. 9

B. T.

Dense cedar & piou
timber 73.80 Chs.

Oak & chico brush.

W to land 73.80 Chs.

85

Sub-divisions of S. 16 W.

Chs. Soil rocky + 4 rate.

~~mmmmmm~~ Sept 10th 1902Sept 11th 1902 at 8:30

A. M. l. w. t. S. set of 34°
 $45'$ on the lat. arc &
 $4^{\circ}48'$ on the decl. arc.
 & determine true mer.
 with the solar, at the
 cor of secs 31 & 32 on the
 S. edge of the S. 16 W.

Thence true
 $2.0^{\circ}3'N.$

on a true line
 bet secs. 31 & 32.

Over into land

Ascending -

3.00	S. rim of cañon & descend.
7.60	Bed of cañon. course N. W.
11.25	Top of hill & descend.
19.00	Bed of cañon. course S. W.

33.50	Top of ridge & descend.
25.75-	Ravine course S. E. & ascend.
40.00	Set a limestone 18x10x8 ins. 12 ins. in the grid. for $\frac{1}{4}$ cor. rock $\frac{1}{4}$ on N. face -
	From which
	Acedar 5 ins. in diam. bears N. 70° E. 34 lbs. dist. rock $\frac{1}{4}$ S. 32 B. T.
	Acedar 6 ins. in diam. bears S. 63° E. 30 lbs. dist. rock $\frac{1}{4}$ S. 32 B. T.
41.20	Y. rim of canon -
45.50	S. " " " & descend.
50.00	Bed of canon - course N.
59.00	Top of ridge & descend
75.00	Bed of deep canon - between two limestones

Sub-divisions of T. 16

Chs. ridges - course S. W.
water in pools.

88.00 On bank of cañon
set a malpai stone
in a row of stones for
cor of sec 29-30-31 & 32.
rock with notch on S. &
5 on E. edges.

From which -

A cedar 4 ins in diam
bears S. 85° W. 43 lbs

dist. rock T. 16 N. R. 5 E. S. 31 B. T.

A pine 8 ins in diam
bears N. 75° W. 147 lbs

dist. rock T. 16 N. R. 5 E. S. 30 B. T.

A cedar 4 ins in diam
bears N. 48° E. 164 lbs

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

A cedar 5 ins in diam
bears S. 81° 30' E. 139 lbs. dist.

Chs. 16 U. R. 5 E. S. 32 B. T.
Mts & land covered with
heavy cedar timber 80 chs.
Soil 4 rate.
Undergrowth - chus
& cat. saw.

~~~~~  
E. on a random line  
bet. secs 29 & 32.

40.00 Set trap, 1/4 cor.  
80.40 Fall 34 lks th. of cor. of secs  
28-29-32 & 33.

Thru June

N. 89° 45' W.

on a true line

bet. secs. 29 & 32

over mt. land through  
dense cedar timber.

10.00 E. rim of canon & decreed.

1935 Bed of canon course S. 20 lks

Sect. divisions of T.

Chs.

37.00

40.20

wide & begin steep ascent.  
 N. rim of canon & descend.  
 Set a line stone 20 X 14 X  
 6 ins. 16 ins in the grad to  
 bed rock for  $\frac{1}{4}$  cor rkd.  
 $\frac{1}{4}$  on N. face.

From which -  
 A cedar 6 ins in diam.  
 bears S.  $58^{\circ} 18' N.$  91 lbs  
 dist. rkd  $\frac{1}{4}$  S. 32 B. S.

A cedar 6 ins in diam  
 bears N.  $62^{\circ} 15' N.$  15-7 lbs.  
 dist. rkd  $\frac{1}{4}$  S. 29 B. S.

43.00

Ravine - course S.

51.00

Top of ridge & descend

60.00

Ravine - course S. N.

69.00

E. rim of canon -

77.00

Bed of canon - course S. N.

80.40

The cor of secs. 29-30-31  
 & 32 hitherto fore described.

16 N. P. 5' E. G. 4 S. R. W. Sec.

Chs.

with heavily timbered  
 land 80.40 Chs.  
 soil + rate, undergrowth  
 cedar.

Chico brush in bottom  
 of canon.

N. over ~~line~~<sup>ground</sup> line.

bet. secs. 30 & 31.

40.00

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

79.66

Fall 5-lks. N. of ~~line~~ cor.  
 of sec. 25, 30, 35

Thence true

N. 89° 0' 8" E.

bet. secs 30 & 31

on a true line

Ascending out of bed of  
 canon through dense  
 cedar timber

3.10

Top of ascent thence  
 along ridge top

Sub-divisions of S. 164.

Cys.  
39.66

Set a sandstone 20x10x10  
ins 13 ins. in the grid for  
 $\frac{1}{4}$  cor rwd  $\frac{1}{4}$  on N. face.  
From which -

A cedar 4 ins in diam  
bears N.  $34^{\circ}58'$  N. 32 lbs.  
dist. rwd  $\frac{1}{4}$  S. 30 B. S.

A pale wood 6 ins in  
diam bears S.  $5^{\circ}40'$  W.  
89 lbs dist. rwd  $\frac{1}{4}$  S.  
31 B. S.

41.00 Begin ascent of lime-  
stone ridge.

49.50 Top of ascent & descent.

61.00 Bottom of descent &  
ascent

71.00 Top of ascent &  
descent steep mal-  
pas ridge 800 ft  
above objective sec. cor.

R. S. C. G. & S. R. W. W.

Chs.  
79.66

Loops of sec 29-30-31 & 32 -  
w/ to land - dense  
cedar timber 79.66 Chs.  
Soil rocky & 4 rats.

N. 0° 3' W.

on a true line  
bet sec. 29 & 30.  
over runs land.

Ascending N. bluff of  
cañon.

12.65  
22.00  
40.00

Top of rim of cañon.  
Ascend ridge  
Set a limestone  
24 x 12 x 8 ins. 12 ins. in  
the grad to bedrock.  
rekd 1/4 on N. face.

From which -

Cedar 10 ins. in diam  
bars S. 42° 10' E. 160 lbs

## Sub-divisions of T. 16

Chs.

dist. rchd  $\frac{1}{4}$  S. 29 B.T.A cedar 8 ins. in diam  
bears S. 82° W. 41 lbs.dist. rchd  $\frac{1}{4}$  S. 30 B.T.

47.00

Top of ridge &amp; descend.

68.30

Raise - lower S. W.  
10 lbs wide.

80.00

Set a malpai stone  
25 x 14 x 6 ins 16 ins in the  
grid to bed rock corner  
of sec 19-20-29 & 30 -  
rchd with 2 notches out S.  
& one to edges.Raise a cut of stone  
2 ft base  $1\frac{1}{2}$  ft high  
W. of cor. No BEARING TREES AVAL.

Pitoin pract.

Uteland 80 chs.  
Timber - cedar &  
fir -



H. R. 5<sup>c</sup> H. & S. R. W. W.

Chs.

Soil & rate,  
 Undergrowth cleared.  
 in ~~run~~ Sept 11<sup>th</sup> 1902  
 at 8<sup>am</sup> ~~at 11<sup>am</sup>~~  
 Sept 12<sup>th</sup> 1902 set  
 off 34°47' on the lat.  
 arc, 4°24'30" on the decl.  
 arc & determine true  
 mer, with the solar,  
 thence true -  
 S. 99°45' E,

on a random line

between 20 & 29.

40.00  
86.25

Intersect cor of sec  
 20-21-28- & 29 -  
 set <sup>run</sup> <sup>4</sup> <sup>cor</sup> <sup>5</sup> <sup>ells</sup>

thence true on a  
 true line, N. 89°47' W.

to sec 20 & 29.

2.10

Ravine - course S. E.  
 & ascended.

16.00

Top of ridge & descended.

95-

## Sub-divisions of T. 16

Chs-  
30.00Dry wash - course S.  
10 lks wide

31.00

Top of ridge &amp; descend.

40, 125

Set a mulpai stover  
20 x 15 x 3 ins, 10 ins in  
the grid to bed rock,  
for  $\frac{1}{4}$  cor raked  $\frac{1}{4}$  on  
N. face

From which -

A cedar 8 ins. in diam  
bears S.  $80^{\circ}$  W 175 lks  
dist. raked  $\frac{1}{4}$  S. 29 B. S.A cedar 6 ins in diam  
bears N.  $55^{\circ}$  E 184 lks.  
dist. raked  $\frac{1}{4}$  S. 20 B. S.

5-1.40

Bed of cañon 20 lks wide  
course S.

5-3.20

N. rim of cañon.

71.00

Top of ridge

79.15

Dry wash course S. E.

71. P. 5-6. H. + S. R. W. W.

Chs- 15 lbs wide  
 80, 25- To the cor, 19-20-29 + 30  
 Wts land, or land  
 covered with dense  
 timber 80, 25 chs.  
 Soil + rate  
 Undergrowth -  
 chis.

S. 89° 5-8' W.

on a random line  
bet sees 19 + 30

40.00

Set trap, 1/4 cor.

79.61

Fall 15 lbs N. of cor of see,  
19, 24, 25 + 30

Thence S. W.

N. 89° 5-4' E.

on a true line  
bet sees. 19 + 30

11.20

snare course S. W.

36.80

cross track.

97

Subdivisions of T. 11

Chs.  
39, 61

A rock in place 30 x 6 x 10 ins above grad. Wk. an x at east cor pt + 1/4 on N side of rock.  
From which

A cedar 3 ins. in diam bears S. 25° 30' W. 163 lbs. dist rkd 1/4 S. 30 B. T.

No others near -  
Raise a rod of stone N. of cor.

43, 20

On E bank of canon -  
Cross canon - course S. E.

79, 61

The cor. of sec. 19, 20, 29 & 30.  
Wts land 79, 61

Chs.  
Dense cedar timber  
Soil 4 rate

M. R. 5-6. G. & S. R. W. W. W.

Chs.

N. 0° 3' W.

sets 19+20.

Ascend along hill over  
ruts land.

40.00

Set a malpai stone  
20 x 12 x 8 ins 12 ins in  
the grd. for 1/4 sec. cor.  
rkd on N. face - &  
raise a rid of stone  
2 ft base 1 1/2 ft high  
N. of cor.

W. trees near.

Pito in pract

42.60

Top of House mt.  
elevation 6600 ft.

61.75

Foot of hill & ascend.

77.50

Top of ridge & descend

88.00

Set a malpai stone  
20 x 12 x 5 ins in a rid  
of stone for cor of

## Sub-divisions of T. 16 N.

chs

secs. 17-18-19+20 -  
 rchd 5 notches on E, +  
 3 on S. edge.

Thruce -

A cedar 10 ins. in diam  
 bears S.  $32^{\circ}$  E. 163 lbs.  
 dist. rchd T. 16 N. R. 5 E.  
 S. 20 B. S.

A cedar 6 ins. in diam  
 bears N.  $71^{\circ}$  E. 90 lbs.  
 dist. rchd T. 16 N. R. 5 E.  
 S. 17 B. S.

A cedar 8 ins. in diam  
 bears S.  $86^{\circ}$  N. 23 lbs.  
 dist. rchd T. 16 N. R. 5 E.  
 S. 19 B. S.

A cedar 12 ins in diam  
 bears N.  $12^{\circ}$  15' W. 261 lbs.  
 dist. rchd T. 16 N. R. 5 E.  
 S. 18 B. S.

R. 5 E. G. &amp; S. R. W. W.

Chs. Mts land 80 chs.  
 Timber cedar.  
 Soil 4 rate  
 Underbrush oak &  
 chis.

S. 89° 47' E.  
 on a <sup>random</sup> ~~true~~ line  
 bet sees. 17 & 20.

40.00

Set temp. 1/4 cor.

55.10

Fall 7 lks. of cor. of sees.  
 16. 17 20 & 21

Thruck Iron -

N. 89° 50' W.

on a true line  
 bet sees. 17 & 20.

over into land.

3.00

Top of slope.

30.00

Carriage course N. W. &amp; ascend.

39.00

" " " " 15 lks. wide

40.00

Set a granite stone

Sub-division of T.

Chs.

24x20x10 ins. 14 ins in  
the grad to bedrock -  
rked  $\frac{1}{4}$  mi N. jaw.  
Whence -

A cedar 10 ins in  
diam bears N.  $5^{\circ}$  E, 75-  
lbs dist rked  $\frac{1}{4}$  S. 17 B. S.

A cedar 10 ins in diam  
bears S.  $38^{\circ}$  E. 39 lbs.  
dist. rked  $\frac{1}{4}$  S. 20 B. S.

43.00

Ravine course N.

55.00

Top of ridge &

57.50

Bed of canon - 30 lbs  
wide - course N.

71.70

N. rim of canon.

76.90

Top of ridge & descend.

80.10

Cor of secs 17-18-19 & 20.

Wth. or land covered  
with dense cedar timber  
80.10 chs - Soil 4 rate.



164. R. 5 E. G. & S. R. Ulex.

Chs.

S. 89° 54' W,

over random line.

bet. secs. 18 & 19.

40.00

Set trap, 1/4 cor.

79.48

Fall 14 lbs S. of cor. of sec

13, 18, 19 & 21

Thence I run -

E. over a true line

bet secs. 18 & 19.

over into land.

ascending over

rough broken into.

39.48

Set a malpai stone

22 x 12 x 4 ins. in a end of

stone rickd 1/4 on 1/4 face

From which -

A cedar 4 ins. in diam

bears S. 55° W. 153 lbs.

dist. rickd 1/4 S. 19 B. S.

A cedar 4 ins in diam

bears N. 38° W. 247 lbs

Sub-divisions of T. 16

Chs.

dist. nhd  $\frac{1}{4}$  S. 18 B.S.

79, 48

Intersect cor of secs.  
17-18-19+20.

Mts. or land covered  
with dense cedar  
timber - 79, 48 chs,  
soil & rate.

Underneath chico &  
sage & some oak.

~~Sept 12th 1902~~

Sept 13<sup>th</sup> 1902 at 8.00  
A.M. l.m.t. Set off.  
34° 48' on the lat. arc  
4° 01' 30" on the decl. arc,  
and determine the  
true mer. with the  
solar.

True True -

N. 0° 3' W.

on a true line

M. R. 5-6 G. & S. R. Wier.

OVER MTS. LAND

Chs.

between 17 & 18.

over outland.

48.00

Set a malpai stone  
18 x 8 x 4 ins 12 ins in

the grid for 1/4 cor-  
nerd 1/4 on W. face

From which -

A cedar 6 ins in diam  
bears S. 55° W. 39 lbs.

Dist. nkd 1/4 S. 18 B. S.

A cedar 12 ins in diam  
bears S. 85° E. 63 lbs. dist.

nkd 1/4 S. 17 B. S.

49.00

Top of mt + descend  
rapidly.

63.30

Bed of canon course N.

80.00

On top of mt, set a  
malpai stone 24 x 14 x 4  
ins. 16 ins in the grid.

for cor. of sec. 7-8-17 & 18.

## Sub-divisions of T. 16

Chs.

upkd with 4 notches on  
S. + 5 on E. edges.

Whence -

A cedar 4 ins. in  
diam bears S.  $70^{\circ}$  E. 16  
lbs dist upkd T. 16 N.  
R. 5 E. S. 17 B. T.

A cedar 4 ins in diam  
bears N.  $30^{\circ}$  W. 118 lbs  
dist. upkd T. 16 N. R. 5  
E. S. 7 B. T.

A cedar 8 ins. in diam  
bears N.  $5^{\circ}$  E. 173 lbs.  
dist. upkd T. 16 N. R. 5 E.  
S. 8 B. T.

No others in limits  
Raise a rid of stone  
N. of cor.

Pts impract  
Mts - or land covered

N. P. 5 E. G. & S. R. Wood

Chs. with dense cedar  
timber 88 chs.  
Soil 4 rate.

Timber cedar & pine  
Underbrush - scrub cedar.

S. 89° 58' E,

on a random line  
bet sec 8 & 17.

40.00

Set trap, 1/4 cor,

80.22

Fall 25' lks. S. of cor. of sec  
8, 9, 16 & 17  
Thence from -

S. 89° 59' W, on a true line  
bet sec 8 & 17.

over rtp. land.

S 89° 59' W

Descending

40.11

Set a saddle stone 20 X 6 X  
4 ins. 14 ins. in the grid  
for 1/4 sec. cor. rtkd.  
1/4 on N. face.

## Sub-divisions of T 16 N.

Chs -

From which

A pruned birch in  
diam bears S. 15° N. 19  
lbs. dist. wk'd  $\frac{1}{4}$  S. 17

B. S.

A cedar 12 ins. in diam  
bears N. 60° 20' E. 25-lbs  
dist wk'd  $\frac{1}{4}$  S. 8 B. S.

43.15

River-course N. 15-lbs wide.

46.10

" " " " " "

47.50

" " " " " "

49.00

Beds of sand 20 lbs wide.

54.00

River-course S. E.

accrued rapidly.

78.15

Top of mt.

80.22.

The cor of secs 7-8-  
17 & 18.

- Wts 80.22 chs.

Dense timber 80.22 chs.

Soil rocky. 4 rate.

R. 5-6. <sup>191</sup> G. & S. R. W. W.

108.

Css. W. on a random line  
bet sees 7 & 18.

48.00 Set trap,  $\frac{1}{4}$  cor.

79.45 Fall 38 lks  $\frac{1}{4}$  of cor. of sees

~~S. p. line~~

7.12.18 & 18

Thence run -

N. 89° 47' E

on a true line

bet sees, 7 & 18.

over precipitous rocks.

Descending to canon.

9.45 W. rim of canon - ascend rapidly

13.00 E " " " - bear W. N. W.

17.80 " " " " steep bluff 200 ft  
high

28.00 Same canon - course S. W.

34.00 Top of ridge

39.45 Set land pair stone

8  $\frac{1}{16}$  x 0 riv - 12 riv in the

grid for  $\frac{1}{4}$  sec. cor. rick'd

## Subdivisions of T. 16N

Chs.

 $\frac{1}{4}$  on N. face.

From which

A cedar 12 ins. in diam.  
bears N.  $45^{\circ}$  W. 86 lbsdist.  $\frac{1}{4}$  S. 1 P. T.A cedar 16 ins. in diam.  
bears S.  $47^{\circ} 30'$  E. 88 lbs.  
dist.  $\frac{1}{4}$  S. 18 P. T.

40.10

Bed of canon - corner  
N. W. & ascend steep  
cut,

79.45-

The cor. of sec. 7, 8, 17 &amp; 18

Precipitous cuts 79.45-

Chs.

Dense cedar & pine  
timber 79.45-chs.

Oak &amp; chico brush -

Soil 4 rate.



C ho.

N. 60° 3' W.

on a true line  
bet sees 7 & 8.

3,10

Descend steep bluff

11,50

Bed of canon & ascend.  
rapidly

26,00

Malpais ridge

40,00

Set a malpais stone  
22 x 10 x 6 ins. in a row  
of stone for  $\frac{1}{4}$  sec. cor  
rked  $\frac{1}{4}$  on N. face.

From which

A cedar 8 ins. in diam  
bear S. 43° W. 80 lbs.  
dist rked  $\frac{1}{4}$  S. 7 B. S.

A cedar 4 ins. in diam  
bear S. 68° E. 78 lbs.  
dist rked  $\frac{1}{4}$  S. 8 B. S.

42,00

Bluff - and  
descend.

Subdivisions of S. 16 T.

chs.  
 56, 00  
 63, 00  
 68, 50  
 71, 10  
 74, 50

Ravine course N. E. 10 lks wide.  
 " " " " " "  
 " " " " " "  
 " " " " " "

Intersect 4<sup>th</sup> stand,  
 Parc. N. at a pt. 12, 09  
 chs. <sup>109° 58' W</sup> of stand. cor of  
 secs. 32 & 33 T17 N R 5 E

Set a red sandstone  
 24 x 18 x 4 ins. in a mid.  
 of stone for closing  
 cor of secs. 7 & 8.

Ulk 5 grooves on E, 1 on N.  
 l. l. on S.

Where

A cedar 6 ins. in diam.  
 bears S. 83° 45' W. 64 lks  
 dist. rchd S. 16 N. R. 5 E.  
 S. 7 B. J.

A pine 5 ins. in diam.

191  
R. 5 E. G. & S. R. Wren

112

Chs.

bears S. 48° E. - 106 lbs  
dist. up rd. S. 167. R. 5 E.  
S. 8 B. T.

Wts. or land covered  
with dense cedar  
timber 74, 00 Chs.

Underbrush chies + oak.  
Dense cedar + pine  
timber 74, 10 Chs.

Soil 4 rats.

~~Sept 13th 1902~~

General Description

This Township lies  
in the most broken  
& roughest part of  
Arizona:

The formation  
is malpai, limestone  
& sandstone mts.  
or precipitous

ridges. The altitude of the center of the Township is some 3000 ft. higher than the Southern or Northern portions. Water occurs only in pools; in canons or along Dry Beaver Creek. The soil is unfit for any thing except for the growth of nutritious grasses. The Township is covered with heavy pine & cedar timber. There are no settlers on the Township.

James B. Girard  
Park W. Latimer  
U.S. Deputy Surveyors.

Office of U. S. Surveyor General,

Phoenix, Arizona, April 14, 1903

The foregoing field notes of the survey of the

*Subdivisions of  
Tp 16 N., R. 5 E.,*

Yuma and Salt River Base and Meridian, in Arizona, executed by *James D. Grand & Park W. Latimer*

U. S. Deputy Surveyors, under Contract No. 51- dated *June 30, 1902.* having been

critically examined, the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved.

*Hugh W. Price*

U. S. Surveyor General, for  
District of Arizona.