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May 31, 1892

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Sent to U. L. O. 11/19/92

BOOK 370

Survey approved

No 370 Feb 28, 1893

4-671

No 370

370

FIELD NOTES

See Book 391

~~GENERAL LAND OFFICE~~

for remainder  
of this Tp.

— of the —

↳ Subdivisions ◁  
of Tp. 21 N. R. 1 E

by Francis B. Jacobs, U.S.D.S

Under Contract 17, dated May  
25, 1891

Survey commenced Aug. 14, 1891  
" completed Aug. 27, 1891

No - 370 BOOK 370'  
Subdivisions T. 21 N. R. 1 E.

Field Notes  
of the Survey of the  
Subdivisions Lines of  
Township No 21 North  
Range No 1 East

Gila and Salt River  
Meridian, in the  
Territory of  
Arizona.

As Surveyed by  
Francis B. Jacobs  
U.S. Deputy Surveyor  
Under his Contract No 17  
Dated May 25<sup>th</sup> 1891

Survey Commenced Augt 14<sup>th</sup> 1891  
Survey Completed Augt 27<sup>th</sup> 1891

## Preliminary Oaths of Assistants.

We William L. Edmester

and G. William Hart

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability and in accordance with instructions given us in the survey of the

Subdivisional and North boundary lines of Township No 21. North of Range No 1. East

of the principal base and meridian in the Territory of Arizona.

William L. Edmester Chainman.

G. William Hart Chainman.

Subscribed and sworn before me, this 27<sup>th</sup>  
day of July 1891

Edmund Wood  
Notary Public.

We Milton L. Brown  
and Charles A. Rohr

do solemnly swear that we will well and truly perform the  
the duties of Assessor and  
Surveyor (respectfully) <sup>sworn</sup>  
in the establishment of corners and other duties according to  
instructions given us, and to the best of our skill and ability,

in the survey of the Subdivisional  
and North boundary lines  
of Township No 21 North  
Range No 1 East

of the principal base and meridian in the Territory of Arizona.

Milton L. Brown  
Charles A. Rohr

Subscribed and sworn to before me this 27<sup>th</sup>

day of

July 1891

William  
Bellinwood  
Notary Public.

Subdivisions T. 21 N. R. 1 E.

Names and Duties of Assistants

Charles A. Rohr Chairman

G. William. Hart Chairman

Milton L. Brown Axeman

BOOK 370 and Book 391

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S.T.

Township 21 N. Range 1 East

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## Subdivisions T21 N. R. 1 E.

Survey commenced  
 August 14<sup>th</sup> 1891 with  
 a Survey improved  
 Mountain Transit with  
 a Burt Solar attachment

At the standard  
 cor. to T<sub>s</sub> 21. N. R<sub>s</sub> 1 and 2  
 E. in Latitude  $35^{\circ}10'N$

Longitude  $112^{\circ}12'W$ .

At 4<sup>h</sup>. 45<sup>m</sup> A.M. (my watch  
 being 15 minutes fast)

I made an observation on  
 Polaris and find the  
 magnetic bearing of the  
 star to be  $N. 15^{\circ} 05' W$ .

Astronomical time

By watch

4<sup>h</sup> 45<sup>m</sup>  
 16.45

Watch fast

.15

Correct Astronomical

Subdivisions	T	N.	R.	1	E
	#	m			
time of Observation	16.	30			
Tabular time U.C.					
of Polaris Aug 15 <sup>th</sup> 1891.	15-41-	41			
Reduction for 1 day			3-	92	
Local mean time U.C. Aug 14 <sup>th</sup>	15-	45.02			
which taken from time of observation leaves hour angle of Polaris		00° 45' +			
Azimuth of Polaris for Lat. 33° 00'		00-15			
North End of Needle		15 05			
The difference is the variation		14° 47'			

I lay off the Azimuth to the East and mark the Meridian so found by driving a picket 3 chs N of the cor.

## Subdivisions T. 21 N. R. 1 E.

Chains

I begin at the Standard  
Cor. to T. 21 N. R. 1 E.  
Which is a post 2 ft above  
ground, 4 ins. square, and  
marked and witnessed as  
described in the Field Notes  
furnished by the Surveyor  
General.

Thence I run North 1st Sec.  
31 & 36.

Var.  $14^{\circ} 47' E.$



## Subdivisions T. 21 N. R. 1 E.

chain

At 39.91 Chs. I find the  $\frac{1}{4}$  cor. on my line.

At 79.95 Chs. I find the cor. to secs. 25 & 36, 3 Chs N. of my line.

The bearing of the range line is North.

I now return to Standard Cor. above described, and run West on 5<sup>th</sup> Standard North.

Var.  $14^{\circ} 47' E.$

At 39.88 find the  $\frac{1}{4}$  sec. cor. and at 79.91 find the cor. to Secs 35 & 36. The true course of the S. boundary of Sec. 36 is as stated above, and my chaining practically agrees with the original survey.

## Subdivisions T. 21 N. R. 1 E.

Chains.

I commence the Subdivisions at the Standard Cor. to Secs. 35 & 36, being a stone marked and witnessed, as described in the Field Notes furnished by the Surveyor General.

Thence I run

N.  $0^{\circ} 1' N.$  bet. Secs 35 & 36.

Var.  $14^{\circ} 47' E.$

Through Valley Creek

9-00 running into Hell Cañon.

9-80 North side of Creek Course. S.  $65^{\circ} N.$

19-50 Leave valley - Ascend

19-70 Pine 18 in diam. <sup>on line</sup> marked with

2 notches, on N and S sides

22-00 Top of ascent ridge Course E & N.

32-40 Road box, S. E. & N. W.

34-12 Pine 10 in diam. on line

marked with 2 notches on N & S edges.

## Subdivisions T. 21 N. R. 1 E

chain

0-00 Set a foot  $4\frac{1}{2}$  ft long, 4 in square, 24 in, in the ground, with marked stone for  $\frac{1}{4}$  Sec cor. Marked  $\frac{1}{4}$  S. on N. face, raised mound of stone  $1\frac{1}{2}$  ft high  $\frac{3}{4}$  ft base, around foot.

From which a line 36 in. diam  
br. N.  $68^{\circ}10'$  W. 5-9 lbs dirt,

Marked  $\frac{1}{4}$  S. B. T. A line 30 in.  
diam. br. N.  $15^{\circ}35'$  W.

49 lbs dirt, marked  $\frac{1}{4}$  S. B. T.

4- Ascend rocky ridge

7-43 Pile 16 in diam. On line. Marked  
with a notch on N. & S. sides.

7-50 Top of ridge br. N.E. & S.W. Descend

0-62 Road br. N.  $60^{\circ}$  E. & S.  $60^{\circ}$  W.

2-40 Ravine course S.W. Ascend,

8-30 Road br. E & W.

## Subdivisions T. 21 N., R. 1 E.

Chains  
64-40 Top of ridge br. N. E. and S. W. Descend.

71-40 Prairie course S. W. Ascend.

80-00 Set a post 4 ft. long 4 1/2 ins square.  
With marked above 24 ins. in  
the ground for cor. to Secs.

25-26-35 and 36. marked.

T. 21 N. S. 25. on N. E.

R. 1 E. S. 36 on S. E.

S. 35 on S. W. and

S. 26 on N. W. faces.

With one notch on S. and

E. edges, from which - a  
fire 10 ins diam. brst.  $30^{\circ}15'E$ .

114 lbs dist. Marked -

T. 21 N. R. 1 E. S. 25. B. T.

An oak 10 ins diam. br

S.  $50^{\circ}30'E$ . 68 lbs dist.

Marked -

T. 21- N. R. 1 E. S. 36 B. T.

## Subdivisions T. 21 N. R. 1 E.

chain

A fire 16 ins. diam. Ors -

S.  $74^{\circ} 30' N$ , 68 chs. dist.

Marked -

T. 21, N. R. 1 E. S 35-13, T.

A fire 16 ins. diam. Ors -

N.  $19^{\circ} 20' N$ , 93 chs. dist.

Marked -

T. 21 N. R. 1 E. S 26. 13, T.

Land rolling.

Soil 2<sup>nd</sup> rate.

Good timber - Pine, Oak &amp; Juniper.

East, on a random line.

bet. secs. 25 &amp; 36,

Var.  $14^{\circ} 47' E$ ,10-00 Set temporary  $\frac{1}{4}$  sec cor.

0-13 Intersect range line 7 chs,

N. of cor. to secs. 25--30-31 &amp; 36,

## Subdivisions T. 21 N. R. 1 E.

chains

Thence I run -

N.  $89^{\circ} 57' W.$  on a true linebet. sec. 25<sup>2nd</sup> & 36.Var.  $14^{\circ} 47' E.$ 

Descend

4.50 Bottom of ravine course S.  $75^{\circ} W.$  40

8.20 Bottom of main ravine course S. W.

Ascend.

13.00 Top of ascent. - Descend.

15.00 Descend.

19.50 Ravine 60 ft deep. course S.

Ascend.

24.00 Top of ascent.

26.00 Descend steep hill.

29.67 Pine 42 ins. diam. on line. Marked  
with 2 notches on E. & W. sides,  
and bottom of hill - 80 ft below summit. 5

30.00 Center of ravine - course S.

Ascend.

## Subdivisions T. 21 N. R. 1 E.

- 3.50 Top of a steep hill 80 ft high.
- 4.26 Pine 24 ins. diam. on line  
Marked with 2 notches on E.  
and N. sides.
- 1.00 Ravine course S. Ascend,
- 06 Set Granite stone 20x14x16 ins.  
15 ins. in the ground for  $\frac{1}{4}$  sec.  
cor. Marked  $\frac{1}{4}$  on N. side  
Raised mound of stone  $1\frac{1}{2}$  ft high 2 ft <sup>or 25</sup> <sub>along side</sub>  
from which a pine 24 ins.  
diam. br N.  $14^{\circ}00'$  E. 39 lbs dist.  
Marked  $\frac{1}{4}$  S. B. T.
- Or pine 24 ins. diam. br  
S  $85^{\circ}25'$  N. 75 lbs dist.  
Marked  $\frac{1}{4}$  S. B. T.
- 9.07 Pine 14 ins. diam. on line mark-  
ed with 2 notches on E. & N. sides
- 0.51 Pine 24 ins. diam. on line  
Marked with 2 notches on E. & N. sides
- 2.12 Pine 16 ins. diam on line

## Subdivisions T. 21 N. R. 1 E.

chains	Marked with 2 notches on E. & W. sides.
59.00	Descend,
71.00	Having course S. Ascend,
80.13	Cor. to sec. 25-26-35 & 36.
	Land rolling
	Soil 3 <sup>rd</sup> rate.
	Timber - Pine, Oak and
	Juniper - Under-bush.
	<hr/>
	N. 00.0' W. bet. sec. 25 & 26
	Var. 14° 47' E.
2.00	Top of ridge bet. S.E. and S.W.
3.00	Descend,
9.00	Gulch. course S.W. Ascend,
11.00	Top W. slope of ridge. Descend.
15.00	Bottom of descent. Hence up a small brushy valley
23.00	Cross Wash course S 15° W. Ascend.
40.00	Set Granite stone 24x12x8 in



## Subdivisions T. 21 N. R. 1 E.

chains

16 in. in the ground for  $\frac{1}{4}$  sec. cor. Marked  $\frac{1}{4}$  on N. side.

Raised mound of stone, 2 ft high, 3 ft base, along side?

From which a fire 24 in. diam. Br N.  $30^{\circ}45'$  E. 15-lbs dist. Marked  $\frac{1}{4}$  S. B. T.

A fire 24 in. diam. Br S  $4^{\circ}30'$  W. 15-lbs dist.

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

2.19 Pine 18 in. diam. on line with 2 notches on N. & S. sides.

1.00 Descend along N. slope of hill.

7. Ravine course S. W.

0.00 Set Malpai stone  $20 \times 12 \times 6$  in. 15 in. in the ground for cor. to recs. 23-24-25 & 26, with 2 notches on S. and 1 notch on E. edges raised mound of stone.

## Subdivisions T. 21 N. R. 1 E.

chains

2 ft high,  $3\frac{1}{2}$  ft base along side.From which - a Juniper 24  
ins. diam. Brz N.  $17^{\circ} 00' W.$  81

lbs. dist. Marked - T. 21. N. R. 4

1 E S 24. B. T. A pine 24 ins. 7

diam. Brz S.  $2^{\circ} 30' E.$  55 lbs  
dist. Marked -

T. 21 N. R. 1 E S 25 B. T.

A pine 28 ins. diam. Brz  
S.  $65^{\circ} 00' W.$  92 lbs dist.

Marked - T. 21. N. R. 1 E S 26 B. T.

A pine 16 ins. diam. Brz. N.  
 $71^{\circ} 40' W.$  58 lbs dist. Marked -

T. 21 N. R. 1 E. S. 23 B. T.

Land rolling

Soil 2nd rate.

Timber. - Pine Juniper  
and Oak and Underbrush.

## Subdivisions T. 21 N. R. 1 E.

chains East on a random line  
 Set 244 25.

Var.  $14^{\circ} 47' E$ .

0.00 Set temporary  $\frac{1}{4}$  sec. cor.  
 9.88 Intersect range line at the  
 sec. cor. a stone firmly set  
 and properly marked and  
 witnessed, as described in  
 the Field Notes furnished  
 by the Surveyor General.  
 West on true line bet. secs  
 244 25.

Var.  $14^{\circ} 47' E$ .

2.00 Descend,  
 0.00 Ravine course S. W. Ascend,  
 6.00 Top of ascent, Descend.  
 2.58 Ravine course S. W.  
 1.00 Descend steep hill.  
 7.00 Bottom of steep hill 80 ft below

## Subdivisions T21N, R. 1E.

chains

summit.

38.25 Ravine course S. 20° W. Ascend,

39.94 Set malpai stone 28 x 16 x 10 ins.  
21 ins. in the ground for 1/4

sec. cor. Marked 1/4 on N. side.

raised mound of stone 2 ft

high 3 1/2 ft base along side

From which a Juniper

24 ins. diam., br. N. 11° 30' W.

30 lbs dist. Marked 1/4 S. B. T.

A Juniper 36 ins. diam.

br. S. 3° 10' E 18 lbs dist.

Marked 1/4 S. B. T.

43.93 Pine 24 ins. diam. on base

Marked with 2 notches on E &amp; W. sides

Top of ascent

Descend gently

79.88 Cor. to sec. 23-24-25 &amp; 26.

Land broken

## Subdivisions T21N R.1E

chain.

Soil 3<sup>rd</sup> rate.Timber - Pine Juniper  
Oak and Underbrush.

N. 00° 01' N. bet. recs. 23 &amp; 24

Var. 14° 47' E.

Descend

7.00 Bottom of cañon.

15.00 Cañon wash course S. 15° N.

Ascend.

18.65 Perpendicular rock bluff  
25 ft high on N. 20° E. and S. 20° N.40.00 Set malpais stone 18x8x6 ins.  
14 ins. in the ground for 1/4 sec.  
cor. Marked 1/4 on N. side and  
raised mound of stone 1 1/2 ft high  
3 ft. base along side.From which an oak  
10 ins. diam. on N. 6° 15' E.

## Subdivisions T21 N. R. 1 E.

charms

48 lbs. dist. Marked  $\frac{1}{4}$  S. 13, T.

A. Junifer 16 ins. diam.

Trs. N.  $31^{\circ} 30' W.$  5-4 lbs. dist.Marked  $\frac{1}{4}$  S. 13, T.

58.20 Pine 12 ins. diam. on line, marked with 2 notches on N. &amp; S. edges

80.00 Set a foot 4 ft. long  $4\frac{1}{2}$  ins. <sup>with marked line.</sup>  
square 24 ins. in the ground  
for cor. to recs. 13-14-23 and 24.

Marked

T. 21 N.S. 13 on N. E.

R. 1 E S. 24 on S. E.

S. 23 on S. W. and

S. 14 on N. W. faces.

With 1 notch on E. and 3  
notches on S. Edges.From which: A pine  
24 ins. diam. Trs. N.

## Subdivisions T. 21 N. R. 1 E.

hairs.

34° 30' E, 10 lbs dist.

Marked T. 21 N. R. 1 E. S. 13 B. T.

A pine 10 ins. diam. Or

S. 75° 30' E. 147 lbs dist.

Marked. T. 21 N. R. 1 E. S. 24 B. T.

A pine 18 ins. diam. Or S. 65°  
30' N. 149 lbs dist.

Marked - T. 21 N. R. 1 E. S. 23 B. T.

A Juniper 48 ins. diam.

Or N. 66° 30' W. 158 lbs dist.

Marked T. 21 N. R. 1 E. S. 14 B. T.

Land broken and

Table land.

Soil 3<sup>rd</sup> rateTimber - Pine, Juniper  
Oak and Birch.

August 14 - 1891.

## Subdivisions T. 21 N. R. 1 E

chains

East on random line bet.  
secs. 13 and 24.

Var.  $14^{\circ} 47' E$ .

40.00

A point on the N. slope of the  
"Bill Williams" mountain,  
E. of which the ascent is very  
abrupt and the land useless  
therefore I set granite stone  
 $20 \times 10 \times 6$  ins. and raised  
mound of stone  <sup>$1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base</sup> around  
same (ground too rocky to ad-  
mit stone) for permanent  
 $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N.  
side: From which a Jennifer  
 $24$  ins. diam. brs—

N.  $78^{\circ} 40' E$ . 19 lbs dist.

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

A Jennifer 20 ins diam.  
brs S.  $49^{\circ} 40' N$ . 5-1 lbs dist.



## Subdivisions T21N R.1E.

chains

Marked  $\frac{1}{4}$  S. B. T.Thence I run  
West on true line.Var.  $14^{\circ} 47' E$ .

Descending.

5.00

Descent more gentle

10.00

Cor to recs. 13-14-23 and 24.

Land comparatively level

Soil 3<sup>rd</sup> rateTimber - Pine, Juniper  
Oaks and brush.

---

N.  $0^{\circ} 1' W$ . bet. recs. 13 and 14Var  $14^{\circ} 47' E$ .

17.00

Descend

21.40

Barometric course N.

24.80

Barometric course S.  $75^{\circ} W$ .

Ascend.

29.53

Pine 18 ins diam. on line.

## Subdivisions T21 N. R. 1 E.

- chains
- Marked with 2 notches on  
N. and S. sides.
- 32.00 Top of ascent. Descend
- 38.20 Road br. N.  $75^{\circ}$  E. and S.  $75^{\circ}$  W.
- 39.00 Descend steep hill.
- 40.00 Bottom of steep hill.  
Set a granite stone  $18 \times 14 \times 16$   
ins. 12 ins. in the ground.  
for  $\frac{1}{4}$  sec. cor. and marked  
 $\frac{1}{4}$  on N. side.  
From which a fine 18 ins.  
diam. br. N.  $58^{\circ} 15'$  E. 108 lbs  
dist. Marked  $\frac{1}{4}$  S. 13. 7.  
An oak 10 ins. diam. br  
S.  $39^{\circ} 56'$  W. 15 lbs dist,  
Marked  $\frac{1}{4}$  S. 13. 7.
- 42.70 Ravine course, S. W.  
Ascend.
- 49.00 Top of ascent. Descend,

## Subdivisions T. 21 N. R. 1 E.

- chain  
 5.15 Ravine. course S. W. Ascend  
 0.00 Top ascent. Descend  
 7.03 Juniper 24 ins. diam. on line  
 Marked with 2 notches on N. & S. sides  
 0.00 Set granite stone 18 x 12 x 8 ins.  
 12 ins. in the ground.

for  
 cor. to sec. 11-12-13 and 14,  
 Marked with 1 notch on E.  
 and 4 notches on S. side.  
 From which a pine 16 ins.  
 diam. br. at  $40^{\circ}00'$  E. 79 lbs.  
 dist. Marked T. 21 N. R. 1 E S 13.  
 B. T.

All oak 10 ins diam. br. S  $64^{\circ}45'$  E  
 94 lbs dist. Marked -  
 T. 21 N. R. 1 E S. 13. B. T.  
 All oak 10 ins diam. br.

## Subdivisions T. 21 N. R. 1 E.

chains S. 29° 15' W. 92 lbs dist.

Marked T. 21 N. R. 1 E. S. 14 B. T.

<sup>No other trees within limit</sup>  
Land broken and rolling  
Soil 2 ud. rate.

Timber - Pine, Oak, Juniper  
and brush.

East on random line bet.  
secs. 12 and 13

Var 14° 47' E.

40.00 Set temporary 1/4 sec. cor.

80.00 Could find no sec. cor. or blazed  
line: therefore I built mound  
of stone at the end of my 80  
chs.

Thence I run.

N. on true line bet secs 12 and 13

Var. 14° 47' E.

2.85 - Gulch. course S. W.

## Subdivisions T. 21 N. R. 1 E.

chains

Ascend.

9.00 Top of spur of "Bill Williams" mountain  
300 ft high br. N. W. and S. E.  
Descend abrupt rocky slope.

22.00 Descent more gentle

38.50 Ravine, course N. W.

40.00 Set granite stone 30 x 12 x 6 ins.  
in a mound of stone 2 ft high  
4 ft base (ground too rocky to  
admit stone)

Marked  $\frac{1}{4}$  on N. side

From which a fine  
16 ins. diam. br. S.  $37^{\circ} 10' E$   
48 lbs dist.

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

A fine 24 ins. diam. br.  
N.  $9^{\circ} 30' W$ . 15 lbs dist.

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

53.00 Ravine, course N. W.

## Subdivisions T21N, R1E.

chains

Ascend.

54.50 Top of ascent

71.61 Juniper 24 in. diam. on line  
Marked with 2 notches on E. & N. sides

80.00 Cor. to secs. 11-12-13 and 14.

Land E.  $\frac{1}{2}$  mountainousW.  $\frac{1}{2}$  comparatively levelSoil 3<sup>rd</sup> rate.Timber. Pine, Juniper and  
Oak. Underbrush same.St.  $0^{\circ} 1' N$  bet. secs. 11 and 12.Var.  $14^{\circ} 47' E$ .

20.00 Descend gently.

27.00 Ravine course. St.  $70^{\circ} N$ ,

37.85 Road bet. St. N. and S.E.

39.00 Descend.

40.00 Set granite stone  $20 \times 14 \times 8$  in  
8 in in ground (rocks fr-

## Subdivisions T. 21 N. R. 1 E.

chain

vented setting deeper) surrounded same with mound of stone  $1\frac{1}{2}$  ft high,  $3\frac{1}{2}$  ft base for  $\frac{1}{4}$  sec. cor. Marked  $\frac{1}{4}$  on N. side. Pts impracticable

From which, a fine 30 ins. diam. br. S.  $54^{\circ}45'$  E 63 lbs dist.

Marked  $\frac{1}{4}$  S. B. T. <sup>no other tree</sup> (within limit.

41.60 Prairie course N. W.

47.80 Descend steep hill

48.40 Prairie course N.  $10^{\circ}$  W

Ascend.

49.50 Top of ascent. Descend

55.20 Prairie course N. W. Ascend.

56.20 Top of ascent. Descend

63.20 Road to Williams br. N. E. and S. W.

8.00 Prairie course S. W. Ascend

90.00 Set post 4 ft long 5-in. squares

## Subdivisions T. 21 N. R. 1 E.

chain

24 in. in the ground  
for cor. to sec  
1-7-11 and 12

Marked T. 21 N. S. 1. on N. E.

R. 1 E. S. 12 on S. E.

S. 11 on S. N.

and S. 2 on N. N. faces.

With 1 notch on E. and 5 on  
S. edges. From which:

A fine 12 in. diam. Iron  
St.  $23^{\circ} 45' E$ . 143 lbs dist.

Marked - T. 21<sup>N</sup> R. 1 E. S. 13. T.

A fine 18 in. diam. Iron  
S.  $80^{\circ} 45' E$ . 80 lbs dist.

Marked T. 21 N. R. 1 E. S. 12. B. T.

A fine 6 in. diam.

Iron S.  $30^{\circ} N$ . 115 lbs dist.

Marked T. 21 N. R. 1 E. S. 11 B. T.



## Subdivisions T21 N. R. 1 E.

L. 11

A line 12 var diam. br  
 N.  $52^{\circ} 10' W$ . 163 lbs dist.

Marked T21 N. R. 1 E. S 2 B. T

Land rolling

Soil 2nd rate

Timber. Pine Juniper and  
 Locust under-growth.

East on random line  
 bet. sec. 1 and 12.

Var.  $14^{\circ} 47' E$ .

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

80.00 I find no sec. cor. though I  
 search diligently for a radius  
 of 10 chs.

I build mound of stone for  
 temporary cor. to sec. 1-6-7 & 12  
 and then thence

West on true line bet. sec.

## Subdivisions T. 21 N. R. 7 E.

chain 1 and 12.

Var  $14^{\circ} 47'$  E.

Descend.

19.79 A pine 16 ins. diam. on line  
Marked with 2 notches on E. & W. sides.23.00 Prairie course S.  $60^{\circ}$  W.40.00 Set granite stone  $20 \times 12 \times 6$  ins.,  
in mound of stone  $1\frac{1}{2}$  ft high 4  
ft. base (ground too rocky to admit same)  
for  $\frac{1}{4}$  sec. cor.Marked  $\frac{1}{4}$  on N. side.From which: A pine 16 ins.  
diam. on N.  $34^{\circ} 00'$  E. 55 lbs  
dist.Marked  $\frac{1}{4}$  S. B. T.A pine 16 ins. diam. on S.  $0^{\circ}$   
 $38'$  W. 40 lbs dist.Marked  $\frac{1}{4}$  S. B. T.

40.89 Pine 14 ins. diam. on line

## Subdivisions T21N. R1E.

0.00	Marked with 2 notches on E. & W. sides
7.47	Pine 20 ins. diam. on line Marked with 2 notches on E & W. sides.
1.73	Pine 16 ins. diam. on line. Marked with 2 notches on E. & W. sides.
8.20	Road to Williams brs N.E. and S.W.
8.60	Descend.
9.80	Provine course S. 25° W
0.00	Cor. to sec-1-2-11 and 12. Land broken. Soil 3 <sup>rd</sup> rate. Timber. Pine Juniper Oak and Underbrush.
	<hr/>
	N. 0° 1' W on random line. Set. sec 1 and 2. Var. 14° 47' E.
0.00	Set temporary 1/4 sec cor.
2.61	Intersect N. boundary of the T.

## Subdivisions T21N R1E

chains.

at the cor to sec. 1-2-35- and 36

A malpai stone previously set  
by me and described in  
field notes of St. Lf. line.

Thence I run  $S 0^{\circ} 1' E$  on  
true line. It sec 1- and 2.

Var  $14^{\circ} 47' E$ .

250 Descend steep rocky hill

17.00 Descent more gentle

38.75 "Western Union" Telegraph line  
Brs.  $S. 25^{\circ} E$ . and  $N. 25^{\circ} W$ .

39.47 "Atlantic and Pacific" Rail  
Road Brs.  $S. 25^{\circ} E$  and  $N. 25^{\circ} W$ .

42.54 Road  $S. 65^{\circ} E$ . and  $N. 65^{\circ} W$ .

42.61 Set malpai stone  $20 \times 12 \times 6$ , ins.  
15 ins. in the ground for  $1/4$   
sec. cor. Marked  $\frac{1}{4}$  on N. side, and  
raised mound of stone 2 ft high  
 $3\frac{1}{2}$  ft base along sides.

## Subdivisions T. 21 N., R. 1 E., E.

amir.

From which.

A pine 18 ins. diam. In  
N.  $43^{\circ}00'$  E. 230 lbs dist.Marked  $\frac{1}{4}$  S. B. T.

A pine 14 ins diam. In

S.  $78^{\circ}00'$  N. 266 lbs dist.Marked  $\frac{1}{4}$  S. B. T.2-90 Road In. N.  $20^{\circ}$  E and S.  $20^{\circ}$  N..60 Barne course S  $10^{\circ}$  N.

4-68 Pine 16 ins. diam on line.

Marked with 2 notches on N. &amp; S. sides.

.41 Pine 14 ins. diam. on line.

Marked with 2 notches on N. and S. sides

2-61 Cork recs 1-2-11 and 12.

Land broken

Soil 3rd. rate

Timber - Pine Juniper and  
Oak. Brush. August 15 - 1891.

## Subdivisions T21N R1E

chains.

From the Standard cor.  
to recs. 34 and 35 on the  
S. boundary of the township  
which is a sand stone  
firmly set, properly marked  
and witnessed, as described  
in the Field Notes furnished  
by the Surveyor General.

I run.

N. 0° 01' W. bet recs 34 and 35.

Var 14° 47' E.

1. 28 Descend rock bluff 12 ft high.  
3. 00 Bottom of descent  
Ascend along N. slope of mountain.  
11. 00 Summit of ridge bet E. & W.  
Descend.  
Var. at this point has decreased  
to 13° 30' E.  
20. 00 The var. at this point has decreased

## Subdivisions T. 21 N. R. 1 E.

to  $12^{\circ} 30' E$ .

8.00 The Var. has further decreased  
(at 9 a.m., August 18<sup>th</sup> 1891) to  
 $10^{\circ} 30' E$ .

The formation is of a redish  
volcanic substance and  
I could find no apparent  
cause for the change.

1.00 The - Var. is  $13^{\circ} 40' E$ .

8.90 Barometric course N. N.

As usual gently.

10.00 Set a post 4 ft. long  $3\frac{1}{2}$  in  
diam. 24 in. in the ground  
with charred stake for  $\frac{1}{4}$  sec cor.  
Marked  $\frac{1}{4}$  S. in N. face, and  
raised mound of stone  $1\frac{1}{2}$  ft high  
 $3\frac{1}{2}$  ft base around post.

From which a line 6 in.  
diam. is N.  $53^{\circ} 00' E$  12 lbs dist.

Subdivisions T<sub>2</sub>/N R<sub>1</sub>E<sub>1</sub>

chains

Marked  $\frac{1}{4}$  S. B. T.A pine 12 ins. diam. br. S  $13^{\circ} 30'$  R<sub>1</sub>  
N. 25-lbs dist.Marked  $\frac{1}{4}$  S. B. T.Var  $16^{\circ} 20'$  E.

47.00 Descend.

49.50 Steep rocky hill, descend in-  
to "Hell Cañon"

52.00 Bottom of hill

52.80 Creek 30 lbs wide flows S. N.  
Ascend. I

Needle has (10. a. m.)

returned to mean

Var.  $14^{\circ} 47'$  E.

56. Ravine course. S. N. Ascend.

74.00 Top of Ascent.

Leave Timber

80.00 Set Malpai stone  $18 \times 16 \times 10$   
ins. 12 ins. in the ground



Subdivisions T<sub>21</sub> N R<sub>1</sub> E.

for cor. to secs. 26-27-34 & 35-  
 marked with 1 notch on S and 2 on E  
 edges, and raised mound of  
 stone 2 ft high, 4 ft base  
 along side.

Pitts impracticable  
 No trees within limit.

Land very broken.

Soil 4<sup>th</sup> rate

Timber - Pine and Oaks  
 and oak underbrush.

East on a random line  
 bet. secs. 26 and 35-

Var. 14° 47' E.

40.00 Set temporary 1/4 sec. cor.  
 79.76 Intersect N. and S. sec line.  
 at 15 chs S. of sec. cor. to secs.  
 25-26-35- and 36<sup>th</sup> <sup>thence</sup> S. 89° 54' W.

## Subdivisions T, 21 N, R, 1 E.

chains.

on true line bet. secrs 26 and  
35.Var.  $14^{\circ} 47' E$ .

1-00 Descend,

5.00 Ravine course, S. ascend

6.45 Road br S. E. and N. W.

8.00 Top of ascent.

22.00 Descend,

26.00 Ravine course S. Ascend

28.00 Top of ascent.

31.00 Leave timber.

40.00 Set qual fac stone  $16 \times 6 \times 4$  ins.

✓  
39.88 10 ins. in the ground. for  $\frac{1}{4}$  sec.  
cor. . . . . Marked  $\frac{1}{4}$  on N. side.

and raised mound of stone  
2 ft high  $3\frac{1}{2}$  ft base alongside.

Pile impracticable. (No trees  
within limit)

55.00 Descend.

57.00 Head of ravine. course S.

## Subdivisions T. 21 N. R. 1 E.

- ins. Ascend.
- 7.90 Road br. N.  $15^{\circ}$  E. and S.  $15^{\circ}$  W.
- 8.00 Top of ascent.
- 9.76 The cor. to secs. 26-27-34 and 35.  
 Land rolling  
 Soil 2<sup>nd</sup> rate  
 Timber. Pine, Oak and  
 Juniper.
- 
- N. 50 $\frac{1}{2}$  W. bet secs. 26 and 27  
 Var.  $14^{\circ} 47' E$
- 0.00 Set malpai stone, 18x14x10 ins.  
 12 ins. in the ground, for  $\frac{1}{4}$   
 sec. cor.  
 Marked  $\frac{1}{4}$  on N. side  
 and raised mound of stone  
 2 ft high 3 ft base along side.  
 No trees.
- 0.85 Birleys fence br S.  $49^{\circ}$  E.

## Subdivisions T.H.W. R.I.E.

- | Chains.          |  |
|------------------|--|
| 55.00            | and N. $45^{\circ}$ W.   |
|                  | Outer timber.  |
| 65.00            | Birley's dwelling house.   |
|                  | Brs E. 20 lbs  |
| 65.70            | Fence br N.E. and S.W.   |
| <del>68.00</del> | Outer timber.  |
| 66.60            | Coral fence.   |
| 67.50            | N. side of coral fence   |
| 70.00            | Birley's house br S. $16^{\circ}$ E  |
|                  | Birley's house br S $28^{\circ} 30'$ E   |
|                  | Birley's hayshed br. S. $57^{\circ}$ E.  |
|                  | Birley's shed br S $51^{\circ} 30'$ E  |
|                  | Center of reservoir br N. $50^{\circ}$ E.  |
|                  | & chs. dist.   |
| 72.00            | Fence around reservoir.  |
| 74.30            | N. side of fence around reservoir.   |
| 80.00            | Set a post 4 ft long 4 in. square<br>with marked stone 12 in.<br>in the ground. for cor to |

Subdivisions T. 21 N. R. 1 E.

chains.

Secs. 22-23-26 and 27.  
Marked T 21 N. S 23 on N. E  
R. 1 E. - S. 26 on S. E. S 27 on S. W.  
and S. 22 on N. W. faces. With  
2 notches on Sand Edges. and  
raised mound of stone 2 ft high  
3 1/2 ft base around fort.

No trees within limit.  
Pits impracticable.  
Land level  
Soil 1st rate  
Timber - Pine and Oak.

---

East on a random line  
bet secs 23 and 26

Var. 14° 47' E.

40.00  
3.16

Set temporary 1/4 sec cor.  
Cor. to secs. 23-24-25 and 26.

Subdivisions T<sub>2</sub> N R. 1 E.

chains.

Thence North a true line

Dist. Sacs 23 and 26

Varr  $14^{\circ} 47' E$ .

Descend.

8.00 Wash course S.  $10^{\circ} W$ .

13.00 Across Wash

16.00 Recross wash Ascend

21.00 Top of Malpai joint

25.50 Descend.

31.00 Bottom of hill

32.00 Thence E. N. and S.

34.60 Reenter same wash

40.08 Set post 4 ft long 4 in. diam. 24  
 in. in the ground with charred  
 stake for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  S.  
 on N. face and raised mound of stone  
 $1\frac{1}{2}$  ft high.  $3\frac{1}{2}$  ft base around post.  
 From which a fine 36 in. diam  
 E. S.  $2^{\circ} 10' W$ . 64 lbs dist. Marked  
 $\frac{1}{4}$  S. B. T. A fine 36 in. diam.

## Subdivisions T21N R1E

- chains.  $\text{Brs. N. } 22^{\circ} 30' \text{ W. } 86 \text{ lbs dist.}$   
 Marked  $\frac{1}{4}$  S. B. T.
- 41.00 Leave wash course  $\text{S } 70^{\circ} \text{ W.}$
- 43.75 Road  $\text{Brs. N. } 65^{\circ} \text{ E}$  and  $\text{S } 65^{\circ} \text{ W.}$
- 48.00 Ascend
- 51.00 Top of ascent
- 62.15 Pine 30 ins. diam. on line. Marked  
 with 2 notches on E and W. sides
- 67.00 Bixley's house  $\text{Brs. S. } 38^{\circ} 30' \text{ W.}$   
 Bixley's house  $\text{Brs. S. } 36^{\circ} 00' \text{ W.}$   
 Bixley's hayshed  $\text{Brs. S. } 25^{\circ} 30' \text{ W.}$   
 Bixley's shed  $\text{Brs. S. } 21^{\circ} 30' \text{ W.}$
- 67.17 Pine 30 ins. diam on line Marked  
 with 2 notches on E and W. sides
- 80.16 Co to recs 22-23-26 and 27.  
 Land rolling,  
 Soil and rate  
 Timber — Pine and Oak,  
 Bush — Oak and Locust,

Subdivisions T<sub>1</sub> N. R. 1 E.

cañon.

At 0°01' W. Set sec. 22 and 23

Var. 14°47' E.

- 9.00 Ascend
- 21.00 Run rocks.
- 21.50 Top of run rocks 30 ft high.
- 35.40 Descend into cañon
- 39.00 Bottom of cañon course S. 75°00' N.  
100 ft deep. Ascend
- 40.00 Set malpai stone 20x10x6 ins.  
15 ins. in the ground for 1/4 sec.  
cor. Marked 1/4 on N. side -  
and raised mound of stone 2 ft  
high 3 ft base along side. From which  
A line 10 ins. diam. br S. 79°28'  
E. 112 lbs dist. Marked 1/4 S. B. T.  
A line 18 ins. diam. br S. 28°00' N.  
85 lbs dist. Marked 1/4 S. B. T.
- 43.60 Top of A. cañon wall
- 60.56 Pine 24 ins. diam. on line marked



## Subdivisions T. 21 N. R. 1 E.

with 2 notches on N. and S. sides,  
 00 Set malpai stone 30x20x10 ins.  
 surrounded by mound of stone  
 2 ft high 4 ft base for cor. to sec.  
 14-15-22-and 23 - (ground too rocky to ad-  
 mit stone) Marked with 2 notches on E.  
 and 3 notches on S. edges. From  
 which a fine 10 ins. diam. In  
 N.  $77^{\circ} 00' E$ . 23 lbs dist. Marked  
 T. 21 N. R. 1 E S. 14 B. T. A Juniper 16  
 ins. diam. In  $S 52^{\circ} 30' E$ . 72 lbs dist.  
 Marked T. 21 N. R. 1 E S. 23 B. T. A Ju-  
 niper 30 ins. diam. In  $S 32^{\circ} 15' W$   
 87 lbs dist. Marked T. 21 N. R. 1 E S. 22 B. T.  
 A fine 10 ins. diam. In  $N. 22^{\circ} 20' W$ . 15-2  
 lbs dist. Marked T. 21 N. R. 1 E S. 15 B. T.

Land broken

Soil 3<sup>rd</sup> rate

Timber Pine, Juniper, Oak and Underbrush.

## Subdivisions T. 21 N. R. 1 E.

chains.

Cast on a random line bet secs 14 and 23

Var  $14^{\circ} 47' E$ .40. 00 Set temporary  $\frac{1}{4}$  sec cor.80. 22 Subtract hand line at 6 lbs S of cor to  
secs 13-14-23 & 4

Thence True.

S  $9^{\circ} 58' N$ . on true line bet. secs 14 & 23Var.  $14^{\circ} 47' E$ .

40. 11

Set malpai stone  $24 \times 8 \times 6$  ins. 18 ins. in  
the ground for  $\frac{1}{4}$  sec cor. Marked  $\frac{1}{4}$  on N. side  
And raise d mound of stone 2 ft high  
3 ft base along side.

From which, an oak 10 ins. diam.

W. S  $28^{\circ} 10' N$ . 70 lbs dirt. Marked  $\frac{1}{4}$  S. B. TAn oak 24 ins diam. W. N.  $14^{\circ} 10' N$ . 139 lbs  
dirt. Marked  $\frac{1}{4}$  S. B. T.

80 2 2

Cor to sec. 14, 15, 22 &amp; 23.

Land level! Soil 3<sup>rd</sup> rate-

Lumber, Pine, Juniper, and Oak, under grasshams.

## Subdivisions T. 21 N. R. 1 E.

- rim. N. 0° 01' W. Let recs. 14 and 15.  
 Var. 14° 47' E.
- 5.0 Descend steep rim. br S. 15° W.  
 2.0 Gulch course W. Ascend  
 0.0 Top of Ascend. Descend  
 0.0 Bottom of descent.  
 Old road br N. 25° E. and S. 25° W.
- 1.00 Set malpais stone 24 x 14 x 18 in. 18 in.  
 in the ground for 1/4 sec cor. Marked 1/4 m. N.  
 side, and raised mound of stone 2 ft high 3 1/2  
 ft base alongside.  
 From which a fine 28 in. diam. br S. 79° 10' E.  
 207 lbs dist marked 1/4 S. B. T.
- A fine 14 in. diam. br N. 44° 30' W. 153 lbs dist.  
 Marked 1/4 S. B. T.
- 3.00 Leave timber
- 4.00 Road br N. 10 E. and S. 10 W.
- 0.00 Set a foot 4 ft long 6 in. square with marked  
 stone 12 in. in the ground for cor to recs 10-11-14 & 15.

## Subdivisions T, N, R, 1 E

chains

Marked T 21 N. S 11 on N. E.  
 R. 1 E. S. 14 on S. E. S. 15 on S. W.  
 and S 10 on N. W. faces. with 4  
 notches on S. and 2 on E. edges  
 and raised mound of stone 2 ft  
 high 4 ft base around foot.

No trees within limit. Pitt-impfracticable.

Land rolling.

Soil 2<sup>nd</sup> and 3<sup>rd</sup> rate.

Timber - Pine Oak and Juniper.

August 17 - 1891 -

East on a random line bet sec  
 11 and 14.

Var.  $14^{\circ} 47' E$ .

40.00 Set temporary 1/4 sec cor.

80.11 Intersect N 4 S. line 13 thrd dist S. of cor to sec.

11-12-13 & 14

## Subdivisions T. 21 N. R. 1 E.

- 18.26 <sup>hann</sup> Fence Iron S. 89° 54' N. on true line  
 1/4 sec. cor. 11 x 14.  
 Var 14° 47' E.
- 25.06 Descend
- 34.00 Enter ravine.
- 36.50 Leave ravine. Course N. 80° W.  
 Ascend.
- 40.06 Set granite stone 18 x 12 x 8 ins. 12 ins in the  
 ground for 1/4 sec. cor. marked 1/4 on N. face  
 and raised mound of stone 1 1/2 ft high 3 1/2 ft base  
 alongside. From which a Juniper 14 ins  
 diam. br S. 26° 20' E. 211 lbs dist. Marked  
 1/4 S. B. T. A pine 18 ins. diam br N. 8° 56'  
 75 lbs dist. marked 1/4 S. B. T.
- 46.70 Millers fence br N. 10° E. S 10° W.
- 60.00 <sup>Leave timber</sup> Millers dwelling br. N. 10° 30' E 6 chs.  
 Millers stable br N. 17° E 4.50 chs.

Subdivisions T<sub>21</sub> N<sub>1</sub> R<sub>1</sub> E

chain.

67.20 Miller's shed brs N. 13° E. 4-5-0 chs.

79.00 Fence, brs N and S.

80.11 Road to Williams brs N. and S.

Cor to sec 10-11-14 and 15.

Land slightly rolling.

Soil 1<sup>st</sup> and 2<sup>nd</sup> rate

Timber. Pine, Juniper and Oak.

---

N. 0° 01' W. bet sec 10 and 11

Var 14° 47' E.

11.00 Descend.

30.00 Enter timber brs E and W.

40.00 Set a post 4 ft long 4 in. square  
with marked stone 24 in. in the ground  
for 1/4 sec cor. Marked 1/4 S. on W. face  
and raised mound of stone 1 1/2 ft high  
3 1/2 ft base around post.

From which a line 16 in. diam.

brs S 53° 50' E 26 chs dist. Marked

## Subdivisions T21 N. R. 1 E.

- hairs
- 1/4 S. B. T. An Oak 14 in. diam br  
 N.  $65^{\circ} 20'$  W. 45- the dit. marked 1/4 S. B. T.
- 6.00 Ravine Course S  $60^{\circ}$  W.
- 3.43 Pine 42 in. diam. on line Marked  
 with 2 notches on stand S side.
- 6.00 Wash. Course S.W.
- 9.00 Ascend.
- 9.00 Top of Ascent.
- 10.00 Leave timber. br E and W.
- 6.36 Juniper 16 in. diam on line <sup>marked with 2 notches on</sup> N & S sides
- 0.00 Set a post 4 ft long 5 in square with marked  
 stone 12 in. in the ground for cor to rec  
 2-3-10 and 11.
- Marked T. 21 N. S. E. on N. E.
- R. 1 E S 11 on S E. S 10 on S W. and  
 S 3 on N. W. face with 2 notches on E  
 and 5 notches on S edge. Paired  
 mound of stone 1 1/2 ft high 4 ft base  
 around post. Note impossible

## Subdivisions

chain

No trees within limit.  
 Land rolling. Pita unfracticate.  
 Soil red rate  
 Timber - Pine and Oak.

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East on random line bet. secs 2 & 11,

Var.  $14^{\circ} 47' E$ .

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

79.87 Intersect N and S. sec line at cor.

To sec 1-2-11 and 12.

Thence I run

West on true line bet. secs 2 and 11.

Var  $14^{\circ} 47' E$ ,

7.00 Baring course S. Ascend.

19.00 Top of ascent

22.00 Descend

39.93 Set malpai at true  $32 \times 8 \times 4$  <sup>22 mm</sup> ins for  
 $\frac{1}{4}$  sec cor. marked  $\frac{1}{4}$  in st. face and  
 raised mound of stone  $2\frac{1}{2}$  ft high.



## Subdivisions T. 21 N. R. 1 E.

- 4 ft base around same (ground too rocky  
to admit stone) <sup>Pits ~~geometric~~ ~~able~~</sup> From which: -  
a pine 14 ins. diam.  $\text{Bz } N. 56^{\circ} W. 73$   
the dist. <sup>no other tree within limit</sup> Marked  $\frac{1}{4}$  S. B. T.  $\Delta$
- 2.00 Bottom of descent. Ascend.
- 2.00 Top of ascent
- 9.87 The cor to recs. 2-3-10 and 11.

Land rolling,  
Soil 3<sup>rd</sup> rate  
Timber, scattering pine, oak & Juniper

---

$N. 00^{\circ} 01' 24''$  on a random line bet recs 2 & 3

Var -  $14^{\circ} 47' E.$

- 0.00 Set temporary  $\frac{1}{4}$  sec cor.
- 2.40 Intersect of boundary of marsh if 28 the  
\* of cor to recs 2-3-34 and 35.

Thence I run  $S. 00^{\circ} 11' W.$  on a true  
line bet. <sup>secs 2 + 3</sup>  $\text{Var } 14^{\circ} 47' E.$

- 0.00 Descend,

## Subdivisions T. 21 N. R. 1 E.

chain.

21. 00

Old road brs E and N.

Ascend gently.

42. 40

Set malpais stone 16x12x8 ins.  
surrounded by mound of stone & mud  
(too rocky to admit stone) for  $\frac{1}{4}$  sec cor.Marked  $\frac{1}{4}$  on N. face.

From which, a fine 16 ins. diam. brs

N.  $65^{\circ} 30' E$  63 lbs dirt marked  $\frac{1}{4}$  S. B. T.A fine 12 ins. diam. brs  $S 84^{\circ} 48' N$ . 23 lbs  
dirt. Marked  $\frac{1}{4}$  S. B. T.

Thence across flat with live oak brush.

82. 40

The cor. to recs. 2-3-10 and 11.

Land rolling.

Soil 3rd rate.

Timber scattering fine Juniper &amp; Live Oak brush.

August 18 - 1898.

From the standard cor. to recs 33 and 34  
Being a sandstone firmly set and

## Subdivisions T. 21 N. R. 1 E.

- marked and witnessed as described in the field notes furnished by the Surveyor General,  
 Inu. let. sec. 33 and 34,  $N. 00^{\circ} 2' N.$   
 Var  $14^{\circ} 47' E.$
- 00 Descend red sandy ridges,  
 5-35 Road brs.  $N. E.$  and  $S. W.$   
 5-40 Top of S. wall of "Hell Cañon"  
 00 Set on a fair stone,  $18 \times 14 \times 8$  ins., 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. Marked  $\frac{1}{4}$  on N. face and raised mound of a tone 3 ft high 3 ft base along side. From which a pile 86 ins. diam br  $N. 10^{\circ} 15' N.$ , 87 lbs dist. Marked  $\frac{1}{4}$  S. B. T. A pile 42 ins. diam. br  $S. 74^{\circ} 00' E.$  100 lbs dist. Marked  $\frac{1}{4}$  S. B. T.  
 Var  $15^{\circ} 30' E.$
- 5-60 Bottom of Cañon  
 6-80 Center of stream through cañon, course  $N. + N. 65^{\circ} E.$   
 8-00 Ascend. Leave thick timber  
 2-25 Bottom of rock bluff 30 ft high.

## Subdivisions T. 21 N. R. 1 E.

chains.  
64.00

Top of Ascent

80.00

Set malpai stone 15x16x10 in. 12 in. in the ground for cor. lines 27-28-33 and 34 Marked with 1 notch on S and 3 notches on E edges and raised mound of stone 2 ft high 3 ft base along side. From which a pine 36 in. diam. brst. 190 00' N. 228 lbs dist. marked

T. 21 N. R. 1 E. S 28 B. T.

No other trees within limit. (Pits. impracticable)

Land broken.

Soil 3rd rate.

Timber Pine and Oak undergrowth same.

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 East on a random line bet. sec. 27 and 34.

Var 14° 47' E.

40.00

Set temporary 1/4 sec. cor.

80.06

Intersect at and spec. line at cor. to sec. 26-27-34 and 35.

West on a true line bet. sec. 27 and 34.

## Subdivisions T. 21. N. R. 1 E.

- ins. Var.  $14^{\circ} 47' E$ .
- 00 Descend into cañon.
- 00 Bottom of cañon 100 ft deep caused  $15^{\circ} 00' N$ . Ascend
- 00 Top of W side of cañon.
- 00 Descend rim, br  $S 80^{\circ} E$
- 00 Bottom of rim.
- 03 Set malpais stone  $20 \times 14 \times 6$  ins. in mound of  
stone  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base for  $\frac{1}{4}$  sec. cor.  
Marked  $\frac{1}{4}$  m. N. face (ground in rocky badmit slope)  
From which - a fire 28 ins diam  
br  $N. 29^{\circ} 10' E$  172 lbs dirt. Marked  $\frac{1}{4}$  S. B. T.  
No other tree within limit. P's impracticable
- 00 Ascend rim.
- 00 Top of rim br  $S. 75^{\circ} W$ .
- 00 Descend gently
- 20 Old road br  $N. E.$  and  $S. W.$
- 06 Cor. trees 27-28-33 and 34,  
Land rolling and broken.  
Soil 3<sup>rd</sup> rate.

## Subdivisions T. 21 N., R. 1 E.

chain

Timber scattering Pine and Juniper.

St. 0° 02' N. bet recs. 27 and 28.

Var 14° 47' E

3. 00 Enter timber
12. 00 Descend,
20. 00 Bottom of descent
21. 00 Prairie course S. 60° W.
22. 00 Ascend,
30. 00 Top of ascent.
32. 00 Leave timber
40. 00 Set oval fair stone 20x10x3 ins. in mound, <sup>(of stones)</sup>  
2 ft high 4 ft. base, (ground too rocky  
to admit stone) for 1/4 sec. cor. Marked  
1/4 on N. face. Raised mound of  
stone 2 ft high <sup>3 ft</sup> base alongside.  
No trees, <sup>rather level</sup> pits impracticable.
80. 00 Set oval fair stone 24x10x3 ins. 18 ins. in  
the ground for cor. to recs. 21-22-27 & 28

## Subdivisions T. 21 N. R. 1 E.

Hacuer.

Marked with 2 notches on S and 3 notches  
 on E faces. And raised mound of stone  
 2 ft high 3 ft base along side  
 Pk. infractible. <sup>within limit.</sup> No trees.  
 Land rolling and level.  
 Soil 2nd rate.  
 Timber. Pine and Juniper.

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Bar on a random line bet. secs. 22 & 27.

Var.  $14^{\circ} 47' E.$

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

9.70 Intersect N. and S. sec line at  
 the cor. to sec 22-23-26 and 27.

Thence I run.

N. on true line bet. secs. 22 and 27

Var.  $14^{\circ} 47' E.$

0.00 Bixley's fence bet. N. and S.

0.05 Road bet. S. E. and N. W.

Enter timber.

## Subdivisions T. 21 N. R. 1 E

chains

- 28.00 Leave timber
- 39.85 Set malpai stone  $20 \times 12 \times 6$  ins  
 $14$  ins in the ground for  $\frac{1}{4}$  sec cor.  
 marked  $\frac{1}{4}$  on N. face raised mound  
 of stone 2 ft high 3 ft base  
 along side.  
 Pile impracticable.
- 79.70 Cor to recs. 21-22-27 and 28  
 Land Level.  
 Soil 2nd rate.  
 Timber. Pine.

N.  $0^{\circ} 02' N$ . Set recs 21 and 22.

Var  $14^{\circ} 47' E$ .

- 40.00 Set malpai stone  $18 \times 14 \times 8$  ins.  
 $12$  ins. in the ground for  
 $\frac{1}{4}$  sec cor. Marked  $\frac{1}{4}$  on N. face  
 and raised mound.  $\frac{1}{4}$



## Subdivisions T. 21 N. R. 1 E.

stone 2 ft high 3 ft base  
 along side ~~where~~ <sup>impracticable</sup> ~~with~~ <sup>with</sup> ~~limit~~ <sup>stone</sup>

\$6.00 Set Malpai stone 30 x 20 x 12 in.  
 24 in. in the ground for cor. to  
 sec 15, 16, 21 and 22 with 3  
 notches on S, and 3 notches  
 on E faces and raised mound  
 of stone 2 ft. high 3 ft. base along  
 side. Pits impracticable.

Land level.

Soil rocky and rate,  
 No timber.

East on random line  
 but sec 15 and 22.

Var 14. 47. E

40.00 Set temporary  $\frac{1}{4}$  sec cor  
 79.80 Interest N and S sec line  
 12 eds S of cor to Secs.

## Subdivisions T. 21 N. R. 1 E.

14.-15.-22, and 23

Thence I run

S. 89° 55' N on true line  
but near 15 and 22

var 14° 47' E

5.30 Descend abrupt rock bluff  
Brs N. 20.00 E. and South

7.30 Bottom of bluff

10.82 Pine 74 ins diam on line  
Marked with 2 notches on E and W sides

18.00 Wash Course S

21.70 Road Br N 10.00 E and S 10° 00' N

<sup>37-00</sup> 39.90 set Malpais stone 74 x 10 x 6 ins.  
<sup>to top of digger</sup>

in mound of stone 1 1/2 ft high

3 ft base. <sup>for the eye</sup> marked 1/4 on N side  
raised mound of stone 7 ft

high 3 ft base along side

(Ground too rocky to admit stone)

No trees, <sup>nothing</sup> pits impracticable.

BOOK 370

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U. S. Surveyor-General's Office,

TUCSON, A. T., Nov 16<sup>th</sup> 1892

The foregoing Field Notes of the Surveys of  
The Subdivisions of  
Township 21 N. R. 1 E.

Gila and Salt River Meridian  
in Arizona executed by  
Francis B. Jacobs

U. S. Deputy Surveyor, under his contract dated  
May 25<sup>th</sup> 1891.

having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

Royal Johnson

U. S. Surveyor-General  
for the Territory of Arizona.