

West Boundary T. 51 N. R. 3 W.  
North West Bay, T. 51 N. R. 4 W.

1700

BOOK 1700

BOOK 1700

1700

4-671

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FIELD NOTES  
GENERAL LAND OFFICE.

1700

Preliminary Oaths of Assistants.

We, William H Lockridge  
and Fred R Ferguson

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon 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 lengths 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 Boundary

lines of Tps 30. 31 and 31  
N. Rs. 3 and 4 N. and  
Sections Tps 32 N Rs 3  
and 4 N

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

William H Lockridge Chainman.

Fred. R. Ferguson Chainman.

..... Chainman.

..... Chainman.

Subscribed and sworn before me, this 14<sup>th</sup>

day of September 1890

Francis Jacobs  
Notary Public.

[SEAL.]

My Commission Expires  
March 2<sup>d</sup> 1904

We, James Spaw - Jay Leitch

Henry J. Sellers Jay Jacobs

do solemnly swear that we will well and truly per-

form the duties of Axeman Moundman

Axeman and Flagman

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

Boundaries of Tps. 30 and 31

N. Rs. 3 and 4 W. and

Fractional Tps 32 N. Rs.

3 and 4 W. —

of the Gila and Salt River Base and Meridian, in

the Territory of Arizona.

Jay Jacobs Flagman

Jay Leitch Moundman

Henry J. Sellers Axeman

James Spaw Axeman

Subscribed and sworn to before me this 14<sup>th</sup> 1890

day of September 1890

Francis B. Jacobs  
Notary Public.

My commission expires March 2<sup>d</sup> 1904





1700

B

BOOK 1700

Field Notes  
of the Survey of the  
W. and N. Boundaries  
of  
Townships No 31 N. R. 4 W.  
of the  
Gila and Salt River Basins Meridian  
in the  
Territory of Arizona  
as Surveyed by  
Francis B. Jacobs, Compassman  
for James C. Dobbins  
U. S. Deputy Surveyor.  
Under this contract No 71  
Dated June 13/900

Survey Commenced August 16<sup>th</sup> 1901  
Survey Completed August 29<sup>th</sup> 1901

West boundary of Tp. 31 N. R. 4 W.

chain Names and duties of assistants

William H. Lockridge	chainman
Fred R. Ferguson	chainman
Jay Sebsch	measurman
Harry Spaw	axeman
Henry J. Sellers	axeman
Jay Jacobs	flagman

BOOK 1700

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T. 31 N.

R. 4 W.

West boundary of T<sub>4</sub> 31 N. R. 21 W.

chains Survey commenced August  
16<sup>th</sup> and executed with  
a light mountain Transit  
with Burt Solar attachment  
made by W and L. E. Gurley.  
The horizontal limb being  
provided with two opposite  
verniers reading to 1' of arc.

In order to test the ad just-  
ment of my transit:

At my camp at the center  
of Sec. 16 T<sub>4</sub> 31 N. R. 21 W. at 9<sup>h</sup> 49<sup>h</sup>  
P. M. lmt & observe Polaris  
at Eastern Elongation and  
mark the line thus determined  
by a tack driven in a  
wooden plug set in the ground  
5.00 chs. North of my transit  
point.

West boundary of 431 N. R. 4. W.

Chino August 17<sup>th</sup> At 6.30 a.m.  
Determine the azimuth of  
Polaris 1.30 to the west and  
mark the true meridian  
thus determined by cutting  
a mark on a stone firmly  
set in the ground, West of  
the mark established last  
night,  
the magnetic bearing of  
said true meridian is  
N.  $13^{\circ} 48'$  W. which reduced  
by the table on page 100 of  
the manual gives the  
mean magnetic declination  
 $13^{\circ} 45'$  E.



West boundary of T. 30 N. R. 4 W.

Chains North bet secs. 31 and 36.

Ascend

10.00 Ridge bet. E and W. Deso

Descend

40.00 Set a lime stone  $20 \times 8 \times 4$  ins  
15 ins in the ground for  $\frac{1}{4}$  sec  
cor marked  $\frac{1}{4}$  on W. face

dig pits  $18 \times 18 \times 12$  ins N and S.

of stone 3 ft dist and raise  
a mound of earth  $3\frac{1}{2}$  ft high  
W. of cor

69.50 Wash and Road course N. E.

Ascend

80.00 Set a lime stone  $20 \times 12 \times 8$  ins  
15 ins in the ground for cor. of secs.  
25-30-31 and 36 marked with  
5 notches on N. and 1 notch on  
S edges dig pits  $18 \times 18 \times 12$  ins  
in each sec.  $5\frac{1}{2}$  ft dist and  
raise a mound of earth



West boundary of 7/31 R. R. & St.

Chains 4 ft base 2 ft high W of cor.  
 sand rolling  
 Soil loam 2<sup>nd</sup> rate  
 Timber scattered scrub cedar  
 Dense undergrowth of buck  
 chips sage and cedar brush  
 80 chs.

North bet. Secs. 25 and 30.

1.00 low ridge bet. E. and W.

Descend

6.00 Gulch course S. E.

Ascend

18.00 Ridge bet. S. E. and N. W.

Descend

31.00 Wash course S. E.

Ascend

40.00 Set a Lime Stone 44 x 12 x 6 ins

18 ins in the ground

West boundary of 4p 31 N. R. 4 W.

Chains for  $\frac{1}{4}$  sec cov. marked  $\frac{1}{4}$  on N.  
face dig pits 18x18x12 ins  
N and S of stone 3 ft dist  
and raise a mound of earth  
 $3\frac{1}{2}$  ft high W of cov.

52.00 Ridge brs. 8 and W.

Descend

72.00 Gulch course N. E.

79.00 Ascend

80.00 Set a dime stone 20x8x6 ins  
15 ins in the ground for cov

of secs. 19-24-25 and 30

marked with 4 notches on the  
N. and 2 notches on S edges

dig pits 18x18x12 ins in each  
sec  $5\frac{1}{2}$  ft dist and raise  
a mound of earth 4 ft base  
2 ft high W. of cov.

Land rolling

Soil loan 2nd rate

8 West boundary of 4p. 31 N. R. 4 W.

Chains Timber scrub cedar  
Dense undergrowth of  
brack. chign. cedar and sage  
brush 80 chs.

North lot secs. 19 and 24

Ascend

1300 Flat ridge bet E and W.

4000 Set a lime stone  $18 \times 10 \times 6$  ins  
12 ins in the ground for  $\frac{1}{4}$   
Sec cor. marked  $\frac{1}{4}$  on W face  
dig pits  $18 \times 18 \times 12$  ins N. and  
S. of stone 3 ft dist and  
raise a mound of earth  
<sup>way 2 ft.</sup>  
 $3\frac{1}{2}$  ft high W of cor

4900 Descend

7000 Wash course N. E.

Ascend

8000 Set a lime stone  $20 \times 10 \times 8$  ins



West boundary of T<sub>4</sub> 31 N. R. 4 W.

chains 15 ins in the ground for cov.  
 of sees. 13-18-19 and 24  
 marked with 3 notches on  
 N and S edges dig pits - 18 x 18  
 x 12 ins in each see. 5 1/2 ft dist  
 and raise a mound of earth  
 4 ft base 2 ft high W of cov.  
 and rolling  
 Soil loam 2nd rate -  
 Timber scattered scrub cedars  
 Dense undergrowth of buck  
 chigo and sage brush sochs.  
 August 17<sup>th</sup> 1901

North bet sees. 13 and 18.

Ascend

13.00 Ridge bet. N. E. and S. W.

19.50 Gulch course N. E.

Ascend

26.00 Ridge bet. N. E. and S. W.

West boundary 7/10 31 N. R. 4 W.

Chimney

Descend

61.00 Gulch course N.E.

Ascend

38.00 Ridge E and W.

Descend

40.00 Set Lime Stone 20 X 8 X 6 ins  
15 ins in the ground for  $\frac{1}{4}$  sec.  
cor marked  $\frac{1}{4}$  on N. face  
dig pits 18 X 18 X 12 ins N. and S.  
of stone 3 ft dist and raise  
a mound of earth  $3\frac{1}{2}$  ft  
base  $1\frac{1}{2}$  ft high N. of cor.

From which

A cedar 10 ins in diam. brs.  
N.  $34\frac{1}{2}^{\circ}$  E. 200 lbs dist.

marked  $\frac{1}{4}$  Sec 8 T3.7

Descend through cedar  
timber

49.00 Gulch course N.E.

Ascend

West boundary 4th 31 N. R. 4 W.

11

chains

80.00

Set a lime stone  $20 \times 10 \times 8$  feet  
 15 ins in the ground for cor  
 of sec. 7-12-13 and 18 - marked  
 with 2 notches on N. and  
 4 notches on S edges dig pits  
 $18 \times 18 \times 12$  in each sec.  $5 \frac{1}{2}$  ft-  
 dist and raise a mound of  
 earth 4 ft base 2 ft high  
 W. of cor.

Land rough, rocky and rolling  
 Soil rocky 4<sup>th</sup> sale

Timber scrub cedar.

Dense undergrowth of  
 buck chigo cedar and  
 sage brush 80 chs.



West boundary of T<sub>16</sub> 31 N. R. 4 W.

- |        |   |
|--------|---|
| Chains | North bet Secs 7 and 12.  |
|        | Ascend  |
| 6.00   | Top of hill 125 ft above cor.   |
| 20.00  | Descend   |
|        | Gulch East  |
| 40.00  | Set a lime Stone 24 x 12 x 8 ins<br>18 ins in the ground for $\frac{1}{4}$<br>Sec cor marked $\frac{1}{4}$ on W face<br>dig pits 18 x 18 x 12 ins N. and<br>S of stone 3 ft dist and<br>raise a mound of earth<br>3 $\frac{1}{2}$ ft high W of cor. |
| 45.00  | Gulch   |
| 54.00  | Ridge   |
| 71.00  | Gulch course N. E.  |
|        | Ascend  |
| 79.00  | Ridge bet N. E. and S. W.   |
| 80.50  | Set a lime Stone 20 x 10 x 5 ins<br>6 ins in the ground $\frac{1}{2}$ bed<br>rock surrounded by a   |

## West boundary of Twp 31 N. R. 4 W.

Chains mound of stone ~~for~~ <sup>7 and 12</sup> west-6  
 marked 1 notch on N and  
 5 notches on S edges.

From which

A cedar 10 ins in diam. brs.

N.  $14\frac{1}{2}^{\circ}$  E. 82 lbs dist

marked Twp 31 N. R. 4 W. Sec 6 B. 7.

A cedar 12 ins in diam brs.

S.  $55\frac{1}{2}^{\circ}$  E 126 lbs dist

marked Twp 31 N. R. 4 W. Sec 7. B. 7.

A cedar 6 ins. in diam brs

S.  $42^{\circ}$  W 149 lbs dist

marked Twp 31 N. R. 5 W. Sec 12. B. 7.

A cedar 8 ins in diam. brs

N.  $18\frac{1}{2}^{\circ}$  W <sup>40 lbs dist.</sup> marked Twp 31

N. R. 4 W. Sec 1 - B. 7.

Land rocky and rolling

Soil rocky 4<sup>th</sup> rate -

Timber scrub cedar brush

Dense under growth of

West boundary of 4th & 1. N. R. H. St.

Chains back Chicago cedar and sage  
brush 80 chs.

North bet Secs. 1 and 6.

1.50 Descend

6.50 Gulch course N. E. 200 ft below  
cov.

15.50 Ridge bet. N. E and S. W.

Descend

22.00 Gulch course N. E.

Ascend

40.00 West slope of red knoll ~~500~~  
above gulch

Set a Sand Stone 20 x 10 x 5 - ins

15 ins in the ground for  $\frac{1}{4}$   
Sec. cov marked  $\frac{1}{4}$  on W face  
from which

A Pine tree 10 ins in diam. bet.  
N 36  $\frac{3}{4}$  E. 52 lbs dist



West boundary of Twp. 31 N. R. 4 W.

Chains marked  $\frac{1}{4}$  Sec 6 - 13.4.

A Pine 20 ins in diam hrs

N 30' W. 5-2 lbs dist

marked  $\frac{1}{4}$  Sec 6 13.4.

4300 Ascend through thick timber

6500 Gulch course East

Ascend

7000 Ridge hrs. S E and N. W.

7400 Descend

8000 Set a Lime Stone  $24 \times 12 \times 8$  ins  
18 ins in the ground for cor  
of Twp. 31<sup>2</sup>/<sub>4</sub> 32 N. R. 4 and 5 W.  
marked 6 notches on each  
edge

From which

A cedar 10 ins. in diam.

hrs. N.  $24 \frac{1}{2}$  E. 35 lbs dist.

marked Twp. 32 N. R. 4 W. Sec 37 13.4.

A cedar 6 ins in diam

hrs S  $21 \frac{3}{4}$  E 52 lbs dist

West boundary of T. 31 N. R. 4 W.

Chains Marked T. 31 N. R. 4 W.

See 6 B. 7.

A cedar 10 ins in diam.

bears S 54 N. 74 lbs dist.

Marked T. 31 N. R. 4 W. See 1 B. 7.

A cedar 6 ins in diam.

bears N. 62  $\frac{1}{2}$ ° W. 106 lbs dist

Marked T. 32 N. R. 5 W.

See 36 B. 7.

hard rolling and rocky

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

Timber scattered scrub cedar  
bush.

Dense undergrowth of  
black chignr cedar and  
sage brush. 80 chs.

August 18<sup>th</sup> 1901

West boundary of T<sub>31</sub> N. R. 4 W.

chains to subdivide the two  
East tiers of Secs. of this  
T<sub>31</sub> before running the N. bdy.

August 25<sup>th</sup> 1901 at 8 a.m. cont.  
Set off 36° 05' on the lat.  
arc. 1053' N. on the decl. arc.  
and determine a true meridian  
with the solar at the cor. of  
T<sub>31</sub> and 32 N. R. 4 and 5 W.  
Thence I run. N. 89° 57' E  
on a random line  
along the N. boundary.  
of T<sub>31</sub> N. 4 W. setting  
temp. 7 sec and sec. cor.  
at intervals of 4000 chs and  
at 318.60 chs. Intersect the  
N and S. line bet Secs. 2 and 3  
at 5 chs. S. <sup>Temporary corner</sup> of Secs. 2 - 3



18

North boundary Twp 31. N. R. 4. N.

boundary established by me for the purpose of establishing my boundary

Chains 34 and 35 this being the first line on the East running North to the bdy. line. & figure my true course from this point as follows: 65 lbs South answers. to a correction 0-7' or 16 $\frac{1}{2}$  lbs N. per mile counting from the N. W. cor. of the Twp.

Therefore from the cor. of Secs. 2-3-34 and 35 from N. 89°50' E. on a random line along the N. bdy of Sec. 2.

8000 Set a dime stone 24 x 12 x 8 ins. 18 ins in the ground for cor. of Secs. 1-2-35 and 36 marked 1 notch on the E. and 5 notches on W. wedges

North boundary Twp 31 N. R. 4 W.

chains dig pits 18x18x12 ins in each sec. 5  $\frac{1}{2}$  ft-dist.

and raise a mound of earth 4 ft base 2 ft high N of cor.

From which

A cedar 8 ins in diam  
br. S  $71\frac{1}{2}$  W 150 lbs distant  
marked Twp 31 N R 4 W.

Sec. 2. B. 7.

The brink of Cataract  
Canyon is 4 chs. E of this  
cor.

August 27<sup>th</sup> 1901

From the corner of Sec. 1-2  
35 and 36. just established  
a new S. 89.50 W. on a  
true line bet. Secs 2 and  
35.

North boundary of Y. 31 N. R. 4. N.

Chains Over broken ground  
Through dense underbrush.  
Ascend

9.50 Top of flat ridge hrs. N. and S.

20.00 Descend

37.50 Gable house N.

Ascend

38.50 Ridge bears N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W.

Descend

40.00 Set a lime stone  $20 \times 10 \times 6$  ins.  
15 ins in the ground for  $\frac{1}{4}$  sec.  
or marked  $\frac{1}{4}$  on N. face  
From which

A cedar 12 ins in diam bears  
N.  $51\frac{1}{4}^{\circ}$  E. 58 lbs dist.

marked  $\frac{1}{4}$  Sec 35 B. Y.

A cedar 8 ins in diam. bears  
S  $24\frac{3}{4}^{\circ}$  E. 20 lbs dist.

marked  $\frac{1}{4}$  Sec <sup>v</sup> B. Y.

Descend



North boundary of T. 31 N. R. 4 N.

Chains

52.00 Top of canon wall.

Descend

56.00 Canon 300 ft below crown N.

Ascend canon wall

69.00 Top of canon wall

Ascend

88.00 Set a lime stone  $20 \times 12 \times 6$  ins.

15 ins in the ground for cor.  
of Secs. 2-3-34 and 35

marked 2 notches on the E.  
and 4 notches on W. edges.

From which

A cedar 10 ins in diam.

bears N.  $74^\circ$  E. 181 lbs dist

marked T. 32 N. R. 4 N. Sec 35-09.5.

A cedar 10 ins in diam.

bears S  $52\frac{1}{2}^\circ$  E. 312 lbs dist

marked T. 31 N. R. 4 N. Sec 134

North boundary Tp. 31 N. R. 4 W.

chains a cedar 8 ins in diam.  
 bears N.  $78\frac{1}{2}^{\circ}$  W. 311 lks dist  
 marked 7.32 N. R. 4 W. Sec 34  
 B. 4

land rough, rocky and  
 broken

Soil rocky & <sup>th</sup> salt-

Timber, scrub cedar.

Mountainous land and  
 dense undergrowth

of Sage brush, cholla.

Chign buck and cedar  
 87 lks.

---

S.  $89^{\circ}50'$  W. bet secs. 3 and 34

3.60 Road hrs N.  $20^{\circ}$  E.

13.00 Top of hill

Descend

2500 Bottom Cañon course N. W.

North boundary 4p. 31 N. R. 4 W.

Chains	Ascend
30.00	Top of bank of cañon
32.00	Ridge bears N. and S.
36.30	Descend bank of cañon
40.00	Set a lime stone 24 X 12 X 4 ins 10 ins in the ground N bed rock <sup>fr. to</sup> <sup>see c. d.</sup> surrounded by a mound of stone for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N. face. and raise a mound of stone $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high N of cor.
42.00	Bottom of cañon course N.
	Ascend
47.60	Top of bank of cañon
52.00	Ridge bears N. and S.
	Descend
69.75	Top of bank of cañon
	Descend
72.00	Bottom of cañon course N.



North boundary T. 31 N. R. 4 W.

Chains As cends

47.00 Top of bank of cañon

80.00 A lime stone 24 X 18 X 6 ins  
18 ins in the ground

In cor of Secs. 3-4-33 and  
34 marked 3 notches on  
E and W edges

From which

A cedar 8 ins in diam.

bears S  $57\frac{1}{2}^{\circ}$  W. 68 lbs dist.

marked T. 31 N. R. 4 W. S. 4 B. T.

A cedar 4 ins in diam.

bears N  $31^{\circ}$  - E 164 lbs dist.

marked T. 32 N. R. 4 W. S. 3 B. T.

A cedar 6 ins in diam

bears N  $13\frac{1}{2}^{\circ}$  W. 216 lbs dist.

marked T. 32 N. R. 4 W. S. 33 B. T.

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

Timber scrub cedar

Mountainous land

North boundary 731 N.R. 4 N.

Chain and dense undergrowth  
80 chs.

S. 89.5° W. 1st Secs 4 and 33.

4.00 Ridge bears N. and S.

Descend

15.00 Ascend

33.00 Ridge bears N and S.

Ascend

40.00 Head of Gulch Set a lime  
stone 20x12x4 ins 10 ins  
in the ground for  $\frac{1}{4}$  sec  
cor marked  $\frac{1}{4}$  on N face  
from which

A cedar 6 ins diam.  
bears S 55° W. 31 lbs dist.  
Marked  $\frac{1}{4}$  Sec. 4 T34.

A cedar 10 ins in diam.  
bears N. 8 $\frac{1}{2}$ ° W 9 lbs dist

North boundary T. 32 N. R. 4 W.

Chains marked  $\frac{1}{4}$  Sec. 33. B.T.

Down Gulch

47.00 Leave Gulch course N. W.

54.85 Sharp ridge bears S. E. and N. W.

Descend

67.85 Bottom of Cañon 600 ft. deep.

Course N.

Ascend

73.25 Top of steep bank

81.00 Set a lime stone 30 X 14 X 12 into  
20 ins in the ground

for cor. of Sec. 4-5-32 and 33.

marked 4 notches on E. and

2 notches on W. edges.

From which

A cedar 6 ins in diam.

bears N.  $40^{\circ}$  E. 21 lbs dist.

Marked T. 32 N. - R. 4 W. S. 33. B.T.

A cedar 12 ins in diam.

bears S.  $11\frac{1}{2}^{\circ}$  E. 48 lbs dist



North boundary Yr. 31 N. R. 4. W.

Chain marked T 31 N. - R 4 W S 4. B T

A cedar 16 ins in diam  
 bears S  $57\frac{1}{2}$  W. 28 lks dist

marked T 31 N. - R 4 W. S 5. B. T.

A cedar 10 ins in diam  
 bears N. 89 W. 48 lks dist.

marked T 32 N. - R 4 W. S 32 B. T.

Land mountainous broken  
 and rocky

Soil rocky & thrali-

Firmer scrub cedar  
 mountainous land and  
 dense undergrowth of

Sage brush Chigr  
 and cedar 80 chs

August 28<sup>th</sup> 1901

North boundary 4<sup>h</sup> 31. N. R. 4. W.

Chairs S.  $89^{\circ}50'$  W. bet. sees 5 and 32.

2.00 Enter Gulch course SW

4.00 Leave Gulch

11.00 Same Gulch

22.00 Ridge bears N and S. W.

Descend

25.00 Same Gulch course N. E.

Ascend

38.00 Ridge bears N. E. & S. W.

Descend

40.00 Set a lime stone  $30 \times 12 \times 10$  ins

20 ins in the ground for

$\frac{1}{4}$  sec cor marked  $\frac{1}{4}$  on

N. face

From which

A cedar 6 ins in diam.

bears N.  $47^{\circ} \frac{1}{2}'$  E. 39 lbs dist

Marked  $\frac{1}{4}$  S 32 B.Y.

A cedar 6 ins in diam.

bears S  $32^{\circ} \frac{1}{4}'$  W. 127 lbs dist.

## North boundary Twp. 31 N. R. 4 W.

chains marked  $\frac{1}{4}$  S 5 - B.Y.

55.10 Gulch course N. W.

Ascend

59.75 Point of ridge bears S. E.

Descend very abrupt bank.

71.00 Bottom of Cañon 600 ft deep.

Course N.

Ascend

76.50 Top of Knoll

Descend

80.00 Bottom of N. fork of Cañon

Set a lime stone  $24 \times 14 \times 6$  ins  
18 ins. in the ground for cor.

of Secs. 5-6-31 and 32

marked 5 notches on E. and  
1 notch on W. edges.

dig pits  $18 \times 18 \times 12$  ins. in  
each sec.  $5\frac{1}{2}$  ft dist and  
raise a mound of earth  
4 ft base 2 ft high W.



North boundary of T. 31 N. R. 4 W.

Chains of cor.

Road, mountainous and rocky.

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

Timber scrub cedar

Mountainous land 80 chs.

S. 89' - 50 W. bet sec. 6 and 31

4.50 Gulch course N. E.

Ascend

6.50 Bluff 40 ft high bears N. E. and S. W.

Ascend

9.50 Ridge bears N. E. and S. W.

Descend

12.00 Gulch course E.

Ascend along S. side of Gulch

40.00 Top of high ridge 1000 ft above

Sec cor Set Lime Stone

## North boundary of T. 31 N. R. 4. W.

Chains 20 x 14 x 5 ins 15 ins in  
The ground for  $\frac{1}{4}$  sec cor.  
Marked  $\frac{1}{4}$  on N. face  
From which

A cedar 10 ins in diam.  
bears S  $74^{\circ}$  W. 26 lbs dist.  
Marked  $\frac{1}{4}$  S. 6 B.Y.

A cedar 8 ins in diam.  
bears N.  $35^{\circ}\frac{3}{4}$  E. 64 lbs dist  
Marked  $\frac{1}{4}$  S. 31 - B.Y.

Descend

674.00 Gulch course South

58.00 Gulch course S.  $35^{\circ}$  E.

Ascend

68.00 Top of hill

Descend

71.00 Gulch course S. E.

Ascend

74.50 Ridge bears S. E. and N. W.

Descend

North boundary 4.3. N. R. H. W.

chains

7700 Gulch course S. E.

Asend

7860

The cor of Tps 31 and 32

N. R. H. and 1/4 Wd

Land mountainous and  
rocky

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

Timber scrub cedar and  
pinon

Mountainous land.

and dense undergrowth

78.60 chs.

August 29<sup>th</sup> 1901



North boundary M. 31. N. R. 4. W.

chains

chains

West boundary Y. 31. N. R. 3. W.

Chaus. From the cor of Ys. 30 and 31  
N. R. 3<sup>and 4</sup> W. I run North  
bet secs. 31 and 32.

Over rolling land  
Through Chigo buck wood  
Sage brush

4000 Set adime Stone  $24 \times 6 \times 10$  ins  
18 ins in the ground for  $\frac{1}{4}$   
sec cor marked  $\frac{1}{4}$  on W.  
Face dig pits  $18 \times 18 \times 12$  ins.  
N and S of stone 3 ft dist.  
and raise a mound of  
earth  $3\frac{1}{2}$  ft base  $1\frac{1}{2}$  ft high  
W of cor.

8000 Set adime Stone  $25 \times 8 \times 12$  ins  
18 ins in the ground for  
cor of Secs. 30 - 31 - 25 and 32  
marked 5 notches on the N.  
and 1 notch on the S edges  
dig pits  $18 \times 18 \times 12$  ins



West boundary of 4p. 31. N R 3 N.

chains in each sec.  $5\frac{1}{2}$  ft dist  
and raise a mound of  
earth 4 ft base 2 ft high  
W of cov.

Land rolling

Soil 3<sup>rd</sup> rate

Timber none

Dense under brush  
of Chicago sage and buck  
80 chs.

---

North bet. Secs. 25 and 30.

Over rolling land

Through dense under-  
growth.

25/5 Road bears N. W.

40.00 Set Sand Stone  $18 \times 10 \times 6$  ins  
 $12$  ins in the ground for  
 $\frac{1}{4}$  sec cov marked  $\frac{1}{4}$  m

West boundary of 4<sup>th</sup> 31<sup>st</sup> N. R. 3<sup>rd</sup> W.

Chains W face dig pits 18x18x12 ins  
N and S of stone 3 ft dist.  
and raise a mound of  
earth 3 1/2 ft base 1 1/2 ft high  
W of cor

80.00 Set lime Stone 20x12x6 ins.  
15 ins in the ground for  
cor of Secs. 19-24-25 and 30  
marked 4 notches on the N.  
and 2 notches on S  
edges dig pits 18x18x12  
ins in each sec 5 1/2 ft  
dist and raise a mound  
of earth 4 ft base 2 ft high  
W of cor

land rolling

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

Timber scrub cedar

Dense undergrowth of  
hackberry, cedar and

West boundary of Twp. 31. N. R. 3. W.

chains sage brush 80 chs.

North bet. Secs. 19 & 24

Over rolling land  
through buck cedar  
chips and sage brush

40.00 Set a lime stone 20x12x4

ins 15 ins in the ground

for  $\frac{1}{4}$  Sec cor marked  $\frac{1}{4}$  on

W. face dig pits 18x18x12 ins

N. and S of stone 3 ft dist

and raise a mound of  
earth  $3\frac{1}{2}$  ft base  $7\frac{1}{2}$  ft  
high W of cor.

80.00 Set a lime stone 20x10x8 ins

15 ins in the ground for

cor of Secs. 13-18-19 and 24

marked 3 notches on N.

and S edges. dig pits



West boundary of Twp. 31. N. R. 3. W.

Chains 18x18x12 ins in each sec.

5 1/2 ft dist and raise a mound of earth 4 ft base 2 ft high W. of cor.

Timber scattered scrub.

Cedar

Dense undergrowth of buck Chigo and Sage brush 80 chs.

August 19th 1901

North bet. secs. 13 and 18

One broken rocky rolling land

2575 Road bears N. E. and S. W.

40.00 Set a lime stone 18x12x5 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face dig pits 18x18x12 ins N. and S. of stone.

BOOK 1700  
West boundary of T. 31. N. R. 3. W.

Chains 3 ft dist and raise a mound of earth  $3\frac{1}{2}$  ft base  $1\frac{1}{2}$  ft high W. of cor.

74.40 Road bears E and W.

80.00 Set a lime stone  $24 \times 10 \times 6$  ins 18 ins in the ground for cor of sec 7-12-13 and 18 marked 2 notches on N and 4 notches on the

\* S. edges, dig pits  $18 \times 18 \times 12$  ins in each  <sup>$5\frac{1}{2}$  ft dist.</sup> sec and raise a mound of earth 4 ft base 2 ft high W. of cor. Temp. Which land rough and rocky Soil rocky 4<sup>th</sup> rate  
Timber scrub cedar  
Dense undergrowth  
of buck chips cedar  
and sage brush 80 chs.

North boundary of Tp. 31 N. R. 3, W.

\* From which  
Chains A. Cedar, 6000 ft. in diam.  
bears N. 45 $\frac{1}{4}$ ° W. 13.2 lks. dist.  
marked 7.31. N. R. 4. W. See 12. B. 7.

North bet sees 7 and 12.

Descend

.90 Gulch course N.

Ascend

1.05 Ridge bears E and N.

Descend

21.00 Gulch course N. 40° W.

Ascend

36.00 Top of ridge bears E and N.

40.00 Set lime stone 20x10x5 ins

15 ins in the ground In

$\frac{1}{4}$  sec cor marked  $\frac{1}{4}$  on

N. face dig pits 18x18x12 ins

N. and S. of stone 3 ft dist

and raise a mound of



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BOOK 1700

West boundary of Y. 31. N. R. 3. W.

chains earth  $3\frac{1}{2}$  ft base  $1\frac{1}{2}$  ft high  
W. of cor.

65.00 Ascends

79.00 Ridge bears N.E. and S.W.

80.00 Set a dime stone  $20 \times 12 \times 4$  ins  
15 ins in the ground for cor

of sec 1-6-7 and 12

Marked 1 notch on the

N. and 5 notches on the

S. edges dig pits  $18 \times 18 \times 12$ ins. in each sec.  $5\frac{1}{2}$  ft

dist and raise a mound

of earth 4 ft base 2 ft

high W of cor.

land rocky and rolling

soil rocky 4<sup>th</sup> rate

Timber scrub cedar

brush.

Dense under growth  
black chigo cedar.



West boundary of T. 31 N. R. 3 W.

Chains and Sage brush 80 chs.

From which a cedar 6 ins in diam  
 bears  $N 39 \frac{1}{2}^{\circ} E$ . 145 lbs dist  
 marked T. 31 N. R. 3 W. S. 6 B. 7.  
 a cedar 12 ins in diam  
 bears  $S. 44^{\circ} W$ . 254 lbs dist.  
 marked T. 31 N. R. 4 W. S. 12 B. 7.  
 a cedar 8 ins in diam.  
 bears  $N. 4 \frac{1}{2}^{\circ} W$ . 140 lbs dist.  
 marked T. 31 N. R. 4 W. S. 1 B. 7.

West boundary Y. 31. N. R. 3. W.

Chains North bet Secs 1 and 6.

Descend

26.83 Rim Cataract cañon  
 Set a dime stone 36 X 18 X 10  
 ins 8 ins in the ground  
 to bed rock surrounded  
 by a mound of earth  
 and stone 4 ft base  
 2 ft high marked N. C.  
 4<sup>th</sup> N. face

land rolling and rocky  
 Soil rocky 4<sup>th</sup> rate  
 Timber scattered scrub  
 cedar

Dense undergrowth  
 of buck chips cedar  
 and sage brush 25-30 lbs.

August 20<sup>th</sup> 1901

West boundary 131 N. R. 4 W.

BOOK 1700

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chains

Boundaries of  
T31N. R4W.  
Latitudes, Departures and closing errors

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N	S	E	W
South Bay	S 89° 57' W	479.18				
West "	North	480.00	480.00			
North "	N 89° 50' E	278.60	.92		318.57	
Bet Secs. 2-3	S 0° 1' E	80.00		80.00	.02	
Bet Secs. 2-11	N 89° 58' E	80.22	.05		80.22	
Bet Secs. 11-12	S 0° 1' E	80.00		80.00	.02	
Bet Secs. 12-13	N 89° 52' E	80.46	.18		80.46	
East Bay	South	320.00		320.00		
Convergency					.57	
Totals.			481.15	480.42	479.81	479.18
			480.42		479.18	
	error in Lat		.73	error in D.	.63	

## General Description

The Township is very rough and cut by many cañons in the northern portion and more level in the southern portion.

There is scattering cedar timber over the township which becomes more dense toward the north and west.

Francis B. Jacobs  
Compassman



BOOK 1700

FINAL OATHS OF DEPUTY SURVEYORS  
AND THEIR ASSISTANTS.

\*\*\*\*\*

List of names.

A list of the names of the individuals employed by Francis B. Jacobs, U.S. deputy surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of Ts. 30. 31. 32 N. Rs. 3-4. 11., showing the respective capacities in which they acted.

William K. Lodrudge Chairman.

Fred R. Ferguson Chairman.

Jay Sebisch Moundmen.

Gary Spaul Axman.

Kinky Sellers axeman

Jay Jacobs Flagman.

FINAL OATHS OF ASSISTANTS.

\*\*\*\*\*

We hereby certify that we assisted Francis B. Jacobs, U.S. deputy surveyor, in surveying all those parts or portions of the <sup>Exteriors</sup> ~~of the~~ ~~TS. 30-31-32 N. base and Rs. 3-4 W. meridian, G and S. R. Base and Meridian~~ of the ~~TS. 30-31-32 N. base and Rs. 3-4 W. meridian, G and S. R. Base and Meridian~~ which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the U.S. Surveyor-General for

W. S. Lockridge Chainman.

Edw. R. Ferguson Chainman.

Jay Leisch Moundman.

Erny J. Bellers Axman.

Henry Shaw Axman.

Joy Jacobs Axman.

Wm. Steuber Axman.

Subscribed and sworn to before me this 14 day of September 1901.

(SEAL)  
 My Commission Expires Mch 7 1904  
Francis Jacobs  
 Notary Public

FINAL OATH OF U.S. DEPUTY SURVEYOR.

*Francis Jacobs* compassman  
 U.S. deputy surveyor, do solemnly swear that  
 in pursuance of instructions received  
 from *Henry Christ*, U.S. Surveyor-Gen-  
 eral for *Arizona*, bearing date of...  
 day of *June 29th* 1901, I have well,  
 faithfully and truly, in my own proper  
 person, and in strict conformity with  
 the instruction furnished by the U.S.  
 Surveyor-General for *Arizona*, the  
 Manual of Surveying Instructions, and  
 the laws of the United States, survey-  
 ed all those parts or portions of *T30-31*  
*and 32N. R. 34 and 4 W* base and.....  
 meridian in the *Territory* of *Arizona*  
 which are represented in the foregoing  
 field notes as having been surveyed by  
 me and under my directions; and I do  
 further solemnly swear that all the  
 corners of said survey have been es-  
 tablished and perpetuated in strict  
 accordance with the Manual of Surveying  
 Instructions, and the special written  
 instructions of the U.S. Surveyor-Gen-  
 eral for *Arizona* and in the speci-  
 fic manner described in the field notes  
 and that the foregoing are the true  
 field notes of such survey; and should  
 any fraud be detected, I will suffer  
 the penalty of perjury, under the pro-  
 visions of an act of Congress approved  
 August 30, 1846.

*Francis Jacobs* compassman  
 U.S. Deputy Surveyor.

Subscribed and sworn to before me this  
*14* day of *Oct*, 1901  
 (SEAL.) *W. C. Foster*

W. C. Foster  
 District Court of Arizona



## A P P R O V A L

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona.

August 2, 1902.

The foregoing field notes of the survey of West hdy. of T. 31 N., R. 3 W. and  
N. & N. hdy. of T. 31 N., R. 4 W.  
 executed by J. B. Jacobs, Compassman  
 under his Contract No. 71 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.

*Mugh L. H. Dix*  
 U.S. Sur. Gen. for Ariz.,