

1701

*North and West
Boundaries*

Tp. 30 N. Range 4 West

BOOK 1701

4-671

FIELD NOTES

GENERAL LAND OFFICE.

1701

1701

1701

Field Notes
 of the Survey of the
 W. and N. Boundaries
 of
 Townships No 30 and 31 N R 4 W.
 of the
 Gila and Salt River Base and Meridian
 in the
 Territory of Arizona
 as surveyed by
 Francis B. Jacobs, Commissioner
 for James C. Dobbin
 U.S. Deputy Surveyor.
 Under his contract No 71
 Dated June 13/1901.

Survey commenced July 25th 1901
 Survey completed July 30th 1901

West boundary of 40 30 N. R. 4 W.

Chains Survey commenced July 24th
1901 and executed with a light
mountain transit with Burt
Solar attachment made by
Ward & E Gurley

The horizontal limb being
provided with two opposite
verniers reading to 1" of arc.

In order to test the adjustment
of my transit; At my camp
at the north center of Sec.

15-4 30 N. R. 4 W. at ^{h m} 11-14.

P. M. limit & observe

Polaris at Eastern Elongation,
and mark the line thus
determined, by a tack driven
in a wooden plug set in
the ground 15.00 chs. north of
my transit point.

July 24th 1901

4

BOOK 1701

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

Chains

July 25 1901 At 6.30 A.M.

I turn off the azimuth of
Plains $1^{\circ}30'$ 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. 24 W.

chains North bet sees. 31 and 36

32.00 Descend.

Through Chico and Sage brush

40.00 Set a Lime Stone $18 \times 12 \times 3$ ins
 12 ins in the ground for $\frac{1}{4}$ sect. cov.
 marked $\frac{1}{4}$ on N. 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 N of cov.

43.00 Wash course N. E.

Ascend

80.00 Set a Lime Stone $18 \times 12 \times 10$ ins ~~12~~ ins
 in the ground for cov of sees
 25-30-31 and 36 marked with
 1 notch on S. and 5 notches on
 N. edges dig pits $18 \times 18 \times 12$ ins
 in each sec. $15 \frac{1}{2}$ ft dist and
 raise a mound of earth 4 ft base
 2 ft high N. of cov.

Land rolling

West boundary of 4.30 N. R 2 W.

Chains Soil loam 2nd rot
 Timber scattered scrub cedar
 Dense undergrowth of Chigo
 sage and cedar brush 80 chs.

4000 North bet. Secs. 25 and 30
 Ridge bet. E and W.
 Over rolling land.
 Drainage E.
 Through cedar and sage brush
 Set a lime stone 16 x 12 x 5 ins
 10 ins in the ground on $\frac{1}{4}$ sec.
 cor marked $\frac{1}{4}$ on W. face dig pits
 18 x 18 x 12 ins E and W. 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.
 4500 Descend
 5500 Ravine course N. E.
 Ascend

West boundary of T. 30 N. R. 21 N.

chain

68.00 4/10 of ascent

80.00 Set a Lime Stone 24 x 16 x 6 ins 12 ins

in ground for cor. of Secs 19-24-25 and

30 marked with 2 notches on S. and 4

notches on N. edges dig pits - 18 x 18 x 12 ins.

in each sec. 5 1/2 ft. dist and raise a

mound of earth 4 ft. base 2 ft. high

N. of cor.

Land rolling

Soil loam 2nd rate

Timber scrub cedar

Dense undergrowth of Chigo Cedar
and Sage brush 80 chs.

North bet Secs 19 and 24

7.00 Descend

40.00 Gulch course N 70° E.

Set a Lime Stone 24 x 12 x 6 ins 12 ins

West boundary of Y. 30 N. N. 4 W.

Chains in the ground for $\frac{1}{4}$ 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 earth
3 $\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high W. of cor.

41.50 Ascend

49.00 Top of ascent

Descend

60.00 Wash course E.

Ascends

80.00 Set a lime Stone 20x12x6 ins. 15 ins.
in the ground for cor. of sec. 13-18-19
and 24 marked with 3 notches on S.
and 3 notches on N. 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 cor.

Load rolling

Soil loose 2nd colt

Timber scattered scrub Cedar

West boundary of 4.30 N. R. 7 N.

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

July 25th 1901

North bet sees 13²/₁₈

1700 Moque trail bis n. 20' E.

2000 Ridge bis n. E. and S. W.

Descend

40.00 Set a lime stone 16 X 12 X 6 ins 10 ins
in the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face dig pits 14 X 14 X 12 ins
N and S. of stone 2 ft. dist and raise
a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft.
high W of cor.

42.00 Gulch course N. E.

Ascend

56.00 Top of ascent

64.00 Descend

80.00 Set a lime stone 24 X 12 X 10 ins 10 ins
in the ground for cor of sect 7-12

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

Chains 13 and 18 marked with 4 notches
on S and 2 notches on N. edges.
From which a Cedar 12 ins. diam.
bears $\text{N. } 13\frac{1}{2}^{\circ} \text{ E. } 318$ lbs marked T. 30 N.
R. 4 W. Sec. 7. - 13. 7.

A cedar 16 ins in diam bears S. $40\frac{1}{4}^{\circ} \text{ E.}$
294 lbs. marked T. 30 N. R. 4 W. Sec 8
13. 7.

A cedar 12 ins in diam. bears S 68° N.
47 lbs marked T. 30 N. R. 5 W. Sec 13. 13. 7.

A cedar. 6 ins in diam. bears $\text{N. } 36\frac{3}{4}^{\circ} \text{ W}$
4 lbs marked T. 30 N. R. 5 W. Sec. 12. 13. 7.

Land rough, rocky and rolling
Soil rocky 4th rate Timber & scrub
cedar Dense undergrowth of
buck thorn Cedar and Sage brush
80 lbs.

West boundary of 430 N. W. 4 N.

chains	North bet. Secs. 7. and 12.
2.00	Descend
11.00	Gulch course N. E.
	Ascend
40.00	Ridge bet. N. E. and S. W.
42.00	Set a Lime Stone 16 x 10 x 8 ins 10 ins in the ground for $\frac{1}{4}$ sec cov. 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 cov.
	Descend
52.00	Wash course N. E.
60.00	Ascend
71.00	Ridge slope N. E.
	Descend
81.00	Set a Lime Stone 18 x 12 x 10 ins 12 ins in the ground for cov. of Secs. 1-6-7 and 12 marked with 5 notches on S and 1 notch on N. edges

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

Chain
 4 am which a cedar 12 ins
 in diam. bears N. $37\frac{1}{4}^{\circ}$ E 217 lbs.
 marked T. 30 N. R. 4 W. Sec. 6 - B.M.
 A cedar 12 ins in diam. bears N.
 $12\frac{3}{4}^{\circ}$ W. 240 lbs. marked T. 30 N.
 R. 5 W. Sec. 1 B.M.
 No. other trees near.
 Land rocky and rolling
 Soil rocky & th rali-
 Timber scrub cedar. ~~brush~~
~~thick~~ Dense undergrowth of
 Sage brush 80 lbs.

North bet. sec. 1 and 6

Ascend

0.00 Ridge bet. E and W.

Descend

11.00 Gulch course E.

Ascend

23.00 Ridge course N. 60° E.

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

Chains Descend

3300 Wash course N. E.

Ascend

4000 Set a lime stone $24 \times 12 \times 6$ ins 14 ins
in the ground for $\frac{1}{4}$ sec cor. & surrounded
with md. of stone 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 corner

Pits impracticable

From which

A cedar 12 ins in diam bears

N. $46\frac{1}{2}^{\circ}$ E 243 lbs marked $\frac{1}{4}$ Sec 6. B. Y.

A cedar 6 ins in diam. bears N. 74° W.

63 lbs marked $\frac{1}{4}$ Sec 1 - B. Y.

6200 Ridge brs. N. E. and S. W.

Descend

6400 Gulch course N. E.

Ascend.

8000 Set a Sand Stone $18 \times 8 \times 6$ ins 12 ins
in the ground for cor of $\frac{1}{4}$ Sec 30 and

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

Chains 31 N. R. 4 and 5 W. marked with
notches on each edge

4000 which a cedar 14 ins in
diam. bears N. $40\frac{1}{2}^{\circ}$ E. 145 lbs dist.
marked Twp 31 N R 4 W. Sec. 31-34.

A cedar 4 ins in diam. bears S. $40\frac{1}{2}^{\circ}$
E. 305 lbs. dist. marked Twp. 30 N. R. 4 W.
Sec. 6-134.

A cedar 18 ins diam bears S. $50\frac{1}{4}^{\circ}$ W
244 lbs dist. marked Twp 30 N R. 5 W.
Sec 1-134.

A cedar 10 ins diam. bears N. $48\frac{1}{4}^{\circ}$ W.
240 lbs. dist. marked Twp 31 N. R. 5 W.
Sec. 36-134.

Land rolling and rocky

Soil rocky 4th rate

Timber scattered scrub cedar

Dense undergrowth of buck chips

Cedar and Sage brush 80 chs

July 26th 1901

West boundary of Tps. 30 N. R. 4 N.

East

Chains Thence I run on a
random line along N. bdy. of Tps. 30
N. R. 4 N.

Setting temp. $\frac{1}{4}$ sec. and sec. cov at
intervals of 4000 chs. and at 479.18 chs.
intersect East boundary ⁴² lbs. S. of
cov. of Tps. 30 and 31 N. R. 3 and 4 N.
Which is a lime stone $10 \times 12 \times 5$ ins
above ground properly marked and
witnessed The falling answers to
a correction of $0^{\circ} 03' W$ 7 lbs N. per
mile counting from the N. W. cov of this
Tps.

Thence I run

S. 89-57 N. bet Secs. 1 and 36.

Over rolling land through eligo buck
cedar and sage brush

Ascend.

34.00 Top of ascent

40.00 Set a lime stone $22 \times 6 \times 8$ ins. 14 ins.

North boundary of 4.30. N. R. 4. W.

chains in the ground for $\frac{1}{4}$ sec cov. marked
 $\frac{1}{4}$ on N. face dig pits 18 x 18 x 12 ins
 E. and W. 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 cov.

6300 Road from Deligman to Hill top.
 N. E. and S. W.

8000 Set a sand stone 24 x 10 x 8 ins 12
 ins in ground for cov of sec 1-2-35
 and 36 marked, notch on E. and 5
 notches on W. edges. dig pits 18 x 18 x 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 cov.

Land rolling

Soil from 2nd set

Timber scattered scrub cedar dense
 undergrowth of chigo cedar and Sage brush 80

July 27th and 28th 1900

North boundary of 4.30 N. R. 4 W.

chains	S. 89.57. N. bit Sect 2 and 35
6.00	Descend
	Bottom of Descend
19 25	Road bis. S. 20° E. and N. 70 W.
40 00	Set Lime Stone 20 X 6 X 8 ins.
	12 ins in ground for $\frac{1}{4}$ sec cov.
	marked $\frac{1}{4}$ on N. face dig pits
	18 X 18 X 12 ins E and W 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 cov.
	to wash course N.
4.00	Ascend
63 00	Ridge Slope N.
	Descend
	Wash
80.00	Set a Lime Stone 20 X 10 X 12 ins 15 ins
	in ground for cov. of Sect 2-3-34 and
	35 marked with 2 notches on E. and
	4 notches on W. edges dig pits 18 X 18 X 12
	ins in each sec 5 $\frac{1}{2}$ ft dist and raise

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

chains a mound of earth 4 ft base 2 ft high West of cor. Land rolling and rocky soil rocky and loam 2nd and 4th side
 Timber none
 Dense undergrowth of buck chips and sage brush 80 chs.

S. 89° 57 W. bet Secs 3 and 34
 ascend

1000 Ridge bet N and S.

4000 Set a lime stone 20 x 10 x 8 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 E and W. 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.

6200 Seligman Dupai wagon road bet N. 20° E. - S 20° W.

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

Chains

80.00 Set a fine Stone $18 \times 12 \times 10$ ins
 12 ins in ground for cor of sec
 3-4-33 and 34 marked with ∞
 notches on E and 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 of cor.

From Which

A cedar 8 ins. diam brs S $80^{\frac{3}{4}}^{\circ}$ E.

164 lbs 4630 N.R. 4 W. Sec 3 B.Y.

A cedar 8 ins diam brs S 17° W. 333 lbs

4630 N.R. 4 W. Sec 4 B.Y.

Land rolling

Soil loam 2nd rate

Timber scattered scrub cedar
 Dense undergrowth of buck chips cedar
 and sage brush 80 lbs

North boundary of T₁₆ 30 N. R 4 W.

chains S 89°-57 W. bet secs. 4 and 33.

14 00 Wash course N. E.

Ascend

40 00 Set a Sand Stone 30 X 15 X 12 ins

15 ins in ground for $\frac{1}{4}$ sec cor

marked $\frac{1}{4}$ on N face dig pits

18 X 18 X 12 ins E and W. 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

50 00 ~~Top~~ of ridge bet N. and S.

Descend

71 00 Bottom of steep rocky hill

80 00 Set a lime Stone 24 X 10 X 5 ins

15 ins in the ground for cor of secs

4-5 32 and 33 marked with 2

notches on W. and 4 notches on

E. edges dig pits 18 X 18 X 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.

North boundary of T. 30 N. R. 7 W.

Chains Land rolling
 Soil loam 2nd rate
 Timber scattered scrub cedar
 Dense undergrowth of buck
 chagr cedar and sage brush
 80 chs.

July 29th 1901

S. 89° 57' W. bet. sec. 15 and 32

4000 Set a lime stone 18x8x6 ins.
 12 ins in the ground for $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ on N face dig pits 18x18x
 12 ins E. and W. 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.

5200 Ridge bet S.E. and N.W.

Ducend

Along N slope Rocky ridge

7200 Mopac trail bet. N.E. and S.W.

North boundary of 4-30 N. R. 4 W.

Chains

8000

Set a Lime Stone 20 X 12 X 5 ins
12 ins in the ground for cor of sec.
5-6-31 and 32. marked with 5
notches on E and W. edges dig
pits 18 X 18 X 12 ins in each sec.
5 1/2 ft dist. and raise a mound
of earth 4 ft base 2 ft high
W. of cor.

hard rolling and rocky

Soil loam and 2nd ashle - 4th rate

Timber scattered scrub cedar

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

S. 89° 57 W. bet Secs. 6 and 31

ascends

through cedar timber

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

chains

14.00 Tops of cedar ridge

31.00 Descend

40.00 Set a lime stone 20 X 10 X 4 ins
15 ins in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on north face.

From which

A cedar 10 ins ^{diam} br. N. 80 $\frac{1}{2}$ ° E 94 lbs
dist. 4/31 N. R. 4 W. - B. 4.

A cedar 10 ins diam. br. S. 69 $\frac{1}{2}$ ° E 100
lbs dist. 4/30 N. R. 4 W. Sec 6 - B. 4.

51.00 Descend

79.18 Cor. 4/20 30-35 N. Rgs. 4 and 5 W.
land rough, rocky and broken
Soil rocky 4th rate

Timber scrub cedar

Dense undergrowth of buck cedar
chips and sage brush 49.18 chs.

July 30th 1901

Boundaries of
T. 30 N. - R. 4 W.
Latitudes, Departures and closing errors.

	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
South Bay.	West	479.39 chs.				479.39 chs.
West "	North	480.	480.			
North "	N 89° 57' E			.42	479.18	
East "	South	480.		480.		
Convergency					.52	.52
			480.42	480.	479.70	479.91
			480.00		*	479.70
			42			.21

General Description

This township is rolling hills in the South Eastern part broken and mountainous in the North and West with cedar timber along the West Side

Francis Jacobs

Compassman

W.S. Deputy Surveyor.

BOOK 1701

APPROVAL

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona.

August 2-1902.

The foregoing field notes of the survey of North & West. bdy. of
Tp. 30 North, Range 4 West
 executed by J. D. Jacobs, Compassman
 under ~~his~~ Contract No. 71 dated June
13 , 1900. having been critic-
 ally examined, and the necessary correct-
 ions and explanations made, the said
 field notes, and the surveys they des-
 cribe, are hereby approved.

Mugh H. Big
 U.S. Sur. Gen. for Ariz.,