

NORTH BOUNDARY
T. 29 N. R. 2 E.

Jacobs

BOOK 1378

1378

4-671

FIELD NOTES
GENERAL LAND OFFICE.



FIELD NOTES
of the Survey of the
NORTH BOUNDARY
of
Township No. 29 North
Range No 2 East
of the
PRINCIPAL BASE AND
MERIDIAN
in the
TERRITORY OF ARIZONA
As Surveyed by.

FRANCIS B. JACOBS

U.S. Deputy Surveyor

Under His Contract No 73,

Dated June 13th 1900,

Survey Commenced ^{August} 14th 1900

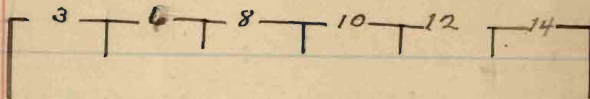
Survey completed August 16th 1900

Names of assistants

Alfred J McMillan	Chairman
Marv Marsh	Chairman
J. William Donnelly	Assessor
Fred First	Assessor
Edward Lefkiew	Flagman

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Survey commenced Aug. 14th
1900.

I test my transit on the
meridian established by
observation on Polaris on
August 9th 1900, and heretofore
described and find the adjustments
correct.

August 14th: At 8^h ^{am} a.m., l.m.t.,
I set off $35^{\circ} 55'$ on the lat. arc;
 $14^{\circ} 25' N.$, on the decl. arc; and
determine a true meridian with
the solar, at the cor. of Tps.

29 and 30 N., Rs. 2 and 3 E., which is a
limestone $36 \times 10 \times 6$ " pins, above ground, temporarily placed by me for
cor of Tps.
thence I run

West on a random line, along
the N bdy. of Tps. 29 N., R2 E.,
setting temp. $\frac{1}{4}$ sec. and sec. cors.
at intervals of 40.00 chs.; and at

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480.25 chs., intersect the
 Range Line, 130 lbs.
 N. of the cor. of Tps. 29 and 30 N.
 Rs. 1 and 2 E., which is a
 sandstone 24x16x10 ins. above
 the ground firmly set in a
 mound of stone, previously
 set, marked and witnessed
 by me.

The following answers to a
 correction of $0^{\circ} 9'$, or 22 lbs.
 S. per. mile counting from
 the N.E. cor. of the Tps.; there-
 fore I run

40.25 N. $89^{\circ} 51' E.$, bet. sect. band 31.
 through heavy timber -
 Set a limestone 20x10x8 ins.

14 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N. face;
 from which.

A cedar 16 ins. diam. bears

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$960\frac{1}{2}^{\circ}$ E. 12 lbs. dist. marked
 $\frac{1}{4}$ S. 31 B.T.

A pine 10 ins. diam. bears
S $4\frac{1}{2}^{\circ}$ N. 23 lbs. dist. marked
 $\frac{1}{4}$ S. 6 B.T.

80.25 Set a sandstone $22 \times 10 \times 6$ ins
16 ins. in the ground for cor. of
sec. 5, 6, 31 and 32, marked with
5 notches on E and 1 notch on
N edges, from which:

A pine 10 ins. diam. bears
N $3\frac{3}{4}^{\circ}$ E. 22 lbs. dist. marked
N. 30 N. R. 2 E. S. 32 B.T.

A cedar 10 ins. diam. bears
S $53\frac{1}{2}^{\circ}$ E. 46 lbs. dist. marked
N. 29 N. R. 2 E. S. 5 B.T.

A cedar 12 ins. diam. bears
S $29\frac{1}{4}^{\circ}$ N. 36 lbs. dist. marked
N. 29 N. R. 2 E. S. 6 B.T.

A pine 10 ins. diam. bears

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N. $29\frac{1}{4}^{\circ}$ W. 50 lbs dist marked
 N. 30 W. R. 2 E, S. 31 B. T.

Land, rolling.

Soil rocky, $\frac{1}{2}$ of the rate

Timber, pine and cedar.

Heavily timbered 80.25 chs.

40.00

N. $89^{\circ}07'$ E. bet. sec. 5 and 32
~~through~~ ^{by} heavy timber.
 Set a limestone $24 \times 12 \times 8$ ins.

18 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face from
 which

A pine 20 ins. diam bears
 North 68 lbs dist marked
 $\frac{1}{4}$ S. 32 B. T.

A cedar 30 ins. diam bears
 S. $77\frac{3}{4}^{\circ}$ E. 120 lbs. dist marked
 $\frac{1}{4}$ S. 5 B. T.

47.09

Grand Cañon and Santa Fé
 R. R. bears N. $47^{\circ}30'$ E and

S. $47^{\circ}30'N$.

80.00

Set a limestone $20 \times 12 \times 8$ ins
10 ins. in the ground to bed-
rock, surrounded by mound
of stone for cor. of secs. 4, 5, 32
and 33. from which

A pine 10 ins diam bears
 $N. 78\frac{1}{4}^{\circ}E. 17$ lbs. dist. marked
T. 30 N. R. 2 E. S. 33 B.T.

A pine 12 ins. diam. bears
 $S. 33\frac{1}{2}^{\circ}E. 2\frac{1}{2}$ lbs. dist. marked
T. 29 N. R. 2 E. S. 4 B.T.

A pine 10 ins. diam. bears
 $S. 81\frac{3}{4}^{\circ}N. 33$ lbs. dist. marked
T. 29 N. R. 2 E. S. 5 B.T.

A pine 10 ins diam. bears
 $N. 68^{\circ}N. 34$ lbs. dist. marked
T. 30 N. R. 2 E. S. 32 B.T.

Land, rolling.

Soil, rocky ^{of the rate.}

Timber, cedar and pine.
 Heavily timbered 80.00 chs.
 August 14 and 15, 1900.

40.00 N. 89° 51' E. bet sec. 4 and 33.
 through heavy timber -
 Set a limestone 20 x 10 x 4 ins
 15 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face, from
 which,

A pine 10 ins diam. bears
 North. 2 lbs. dist marked
 $\frac{1}{4}$ S. 33 B.T.

A pine 18 ins. diam. bears
 S. 84° 0' W. 20 lbs. dist. marked
 $\frac{1}{4}$ S. 4 B.T.

79.80 Top of stone bluff. 10 ft.
 high bears N. 70° E and S 70° W.
 Descend.

80.00 Set a limestone 40 x 24 x 6 ins
 in mound of stone for cor. of

secs 3, 4, 33 and 34, marked
with 3 notches on E and W
edges, from which

A(X) cross on limestone
bluff 12 ft. high, bears
N. $35\frac{1}{2}^{\circ}$ E 38 lbs. dist. marked
9 30 N. R. 2 E. S. 34 B. R.

A pine 36 ins. diam. bears
S. $24\frac{1}{2}^{\circ}$ E 247 lbs. dist. marked
9 29 N. R. 2 E. S. 3 B. T.

A pine 24 ins. diam. bears
S. $9\frac{1}{2}^{\circ}$ W. 134 lbs. dist. marked
9 29 N. R. 2 E. S. 4 B. T.

A pine 6 ins. diam. bears
N. $80\frac{1}{2}^{\circ}$ W. 53 lbs. dist. marked
9 30 N. R. 2 E. S. 33 B. T.

Land, mountainous.

Soil, rocky, 4th rate.

Timber pine and cedar.

Heavily timbered, 80. chs.

1.60 ~~7. 8925~~ E. bet sec. 2 and 34.
~~through heavy timber~~
 Top of limestone bluff
 15 ft. high!

Descend over huge rocks
 into Rain Tank Wash

2.23 Bottom of Rain Tank
 Wash. course S. 70° E.

3.58 Road from Williams to
 Grand Cañon, follows wash.
 Ascend along S. wall of
 wash.

14.00 Top of bank.

40.00 Set a limestone 24x12x10

18 ins. in the ground for
 1/4 sec. ca. marked 1/4 on N.

face, from which,

A pine 30 ins. diam. bears
 S. 45° E. 18 lbs. dist. marked
 1/4 S. 3 B.N.

A pine 24 ins. diam. bears
 N. $55\frac{1}{2}^{\circ}$ W. 54 lbs. dist. marked
 $\frac{1}{4}$ S. 34 B.T.

80.00 Set a limestone $30 \times 18 \times 8$ in
 22 ins. in the ground face of
 sees 2, 3, 34 and 35 marked
 with 2 notches on E and 4
 notches on W. edges, from
 which,

A pine 36 ins. diam. bears
 N. $73\frac{3}{4}^{\circ}$ E. 273 lbs. dist. marked
 N. 30 W. R. 2 E. S. 35 B.T.

A pine 18 ins. diam. bears
 S. 21° E. 97 lbs. dist. marked
 N. 29 W. R. 2 E. S. 2 B.T.

A pine 30 ins. diam. bears
 S. $42\frac{1}{4}^{\circ}$ W. 117 lbs. dist. marked
 N. 29 W. R. 2 E. S. 3 B.T.

A pine 30 ins. diam. bears
 N. 49° W. 189 lbs. dist. marked

T. 30 N. R. 2 E. S. 34. B. T.

Land, mountainous.

Soil, rocky, 4th. rate.

Timber, pine and cedar

Heavily timbered, rocks

N. 89° 51' E bet. sec. 2 and 30.
~~through~~ ^{through} ~~lightly timbered~~ ^{lightly timbered} ~~land.~~

40.00

Set a limestone 36 x 18 x 4 in
 27 in in the ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ on N. face,
 from which,

a pine 20 in. diam. bears

N. 46 $\frac{1}{2}$ ° E. 107 lbs. dist. marked
 $\frac{1}{4}$ S. 35 B. T.

a pine 36 in. diam. bears

South. 77 lbs. dist. marked
 $\frac{1}{4}$ S. 2 B. T.

80.00

Set a limestone 24 x 12 x 0 in
 18 in. in the ground for cor.
 of sec. 1, 2, 30 and 36,

marked with 1 notch on E
 and 5 notches on W. edges,
 from which

A pine 12 ins. diam. bears N. 72° E.
 102 lbs. dist. marked

N. 30 W. R. 2 E. S. 36 B. T.

A pine 36 ins. diam. bears
 S. $72\frac{1}{2}^{\circ}$ E. 111 lbs. dist. marked

N. 29 W. R. 2 E. S. 1 B. T.

A pine 24 ins. diam. bears
 S. $77\frac{1}{4}^{\circ}$ W. 83 lbs. dist. marked

N. 29 W. R. 2 E. S. 2 B. T.

A pine 18 ins. diam. bears
 N. $15\frac{1}{2}^{\circ}$ W. 227 lbs. dist. marked

N. 30 W. R. 2 E. S. 35 B. T.

Land rolling.

Soil, 3rd etc.

Timber pine and cedar
 Heavily timbered rocks

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- N. 89° 57' E bet. secs 1 and 36.
 Over rolling land, heavily ^{timbered.}
 Road bears S. 75° E and
 18.80 N. 75° W.
- 40.00 Set a limestone 18 X 12 X 6
 ins. 12 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 N. face, from which,
 A pine 36 ins. diam bears
 N. 35 $\frac{3}{4}$ ° E. 120 lbs. dist. marked
 $\frac{1}{4}$ S. 36 B.T.
- A pine 18 ins. diam. bears
 S. 6 $\frac{1}{4}$ ° W. 24 lbs. dist. marked
 $\frac{1}{4}$ S. 1 B.T.
- 80.00 The cor. of Tps. 29 and
 30 N. Rs. 2 and 3 E
 Land rolling.
 Soil 3rd rate.
 Timber pine and cedar
 Heavily timbered 80. chs

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August 16th 1900

This township is rough and mountainous in the N.W. part and rolling in other parts.

The surface of the ground is very rocky its soil very poor

Francis Jacobs

U.S. Deputy Surveyor

August 28th 1900

Boundaries of T₂₉ N. R. 2 E.
 Latitudes, departures, and closing errors.

		N	S	E	W
7 th Standard Parallel North	West	480.00			480.00
W. Body, T ₂₉ N. R. 2 E	North	480.00	480.00		
N Body, T ₂₉ N. R. 2 E	N 89° 51' E	480.25	1.25	480.25	
E Body, T ₂₉ N. R. 2 E	South	480.00	480.00		
Convergence				52	
Totals		481.25	480.00	480.77	480.00
Errors in Lat.		480.00		480.00	
		1.25		.77	

APPROVAL.

OFFICE OF U. S. SURVEYOR GENERAL,

Tucson, Arizona, *Feb'y 28* 1901

The foregoing field notes of the survey of *The North Boundary*
of T. 29 N. R. 20 E.

Gila & Salt River Meridian,
executed by *Francis B. Jacobs*,
under his contract No. 73, dated 4/13, 1900,
having been critically examined, and the
necessary corrections and explanations
made, the said field notes, and the surveys
they describe, are hereby approved.

George Christ
U. S. Surveyor General for Arizona.