

I

East and North Bdy's.

T. 29 N. R. 1 E

1377

Jacobs.

BOOK 1377

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No. 1377
✓

Preliminary Oaths of Assistants.

we, *Alfred J. McMillan*
and *Mark L. Marsh*

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 *East and North*

boundaries of T³⁰ 29³⁰ and 30 N. R 1 E. The North boundary of T³⁰ 29 and 30 N. R. 2 E and two miles of the East boundary of T³⁰ 31 N. R 2 E

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

Alfred J. McMillan Chainman.

Mark L. Marsh Chainman.

Chainman.

Chainman.

sworn before me, this *11th*

day of *Sept* 18*90*

Francis B. Jacobs

Notary Public.

My commission expires *March 7th 1904*
[SEAL.]

We, Edward Leppien, J. Williams 1A
Donnelley and Fred Ferst c.

do solemnly swear that we will well and truly per-
form the duties of Flagman and

Axemen respectively

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 East

and North boundary of Sps. 29-30 and 31 N

R. 1 E. the North boundary of Sps. 29 and 30

N. R. 2 E. and two miles of the East

boundary of Sp. 31 N. R. 2 E.

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

Edward Leppien

J. Williams, Donnelley
Fred Ferst

Subscribed and sworn to before me this 11th

day of August 1900

Francis Jacobs

Notary Public.

My commission expires march 2^d 1904

18

Judex

East Bely T 29 N R 1 E. 3
North " T 29 N R 1 E 20

BOOK 1377



No. 1377

10.

FIELD NOTES
of the Survey of the
EAST AND NORTH BOUNDARIES
of
Township No. 29 North,
Range No. 1 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 9th 1900.Survey Completed August 14th 1900.

Manuscript duties of Assistants
 Alfred J. McMillan Chairman
 Mark T. Marsh Chairman
 William Donnelly Assessor
 Fred First Assessor
 Edward Libbien Flagman

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Gr. 4th S. R. M.

T. 29N, R. 1E.

7th Standard Parcel N.

Survey commenced August 9,
1900, and executed with a
W. and L. E. Gurly light
mountain transit, with
solar attachment. The horizon-
tal limb is provided with
two double verniers placed
opposite to each other, reading
to single minutes of arc, which
is also the least count of
the verniers of the latitude
and declination arcs.

The instrument was exam-
ined, tested on the true meridian
at Tucson, found correct,
and was approved by the
Surveyor General for Arizona
August 30 1900

Examine the adjustments
of the transit, and find the

levels and collimation correct;
 then, to test the solar appar-
 atus by comparing its indi-
 cations, resulting from solar
 observations made during
 a. m. and p. m. hours, with
 the true meridian determined
 by observations on Polaris,
 I proceed as follows:

August 9: At my camp on
 the N. W. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ of sec. 21
 T. 29 N., R. 2 E., latitude $35^{\circ} 51'$
 $34''$ N., longitude $112^{\circ} 16' 23''$ W.,
 at $3^{\text{h}} 0^{\text{m}}$ p. m., l. m. t., I set off
 $35^{\circ} 52'$ on the lat. arc; $15^{\circ} 48' N.$
 on the decl. arc (these settings
 being the nearest practicable
 to the true minutes and fractions
 thereof required); determine
 with the solar a true meridian.

and mark a point there of
 on a stone set firmly in
 the ground, 5.00 Chs. N. of my
 transit point.

At 10^h 10.7^m l.m.t. I observe
 Polaris at eastern elongation,
 in accordance with the
 Manual of Instructions, and
 mark a point on the line
 thus determined on a plug
 driven in the ground 5.00
 Chs. N. of my transit point.

August 9, 1900

August 10: At 6^h 30^m a.m.,
 l.m.t., I lay off the azimuth
 of Polaris, 1^h 30^m, to the west
 and mark the True Meridian
 thus determined, by cutting
 a small groove in the stone

set August 9, on which the true meridian falls 0.4 ins. west of the mark determined by the solar.

At 7^h 0^m a. m. l. m. t I set $35^{\circ} 52'$ on the lat. arc; $15^{\circ} 38' N$ on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of my transit point; this mark falls 0.2 ins west of the true meridian established by the Polaris observation.

The solar apparatus by 3. m. and our observations, defines positions for true meridians, respectively about $0' 21''$ east and $0' 10''$

west of the true meridian established by Polaris observations; therefore I conclude the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7 a.m., is N. $14^{\circ}45' W.$; the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. $14^{\circ}41' E.$

I begin at the standard corner of Tps. 29 N., R. 1 and 2 E., which is a limestone $5 \times 14 \times 6$ ins. above ground marked and witnessed as described by the surveyor general.

Thence I run

North bet. secs. 31 and 36

- Over ground according to
word to north. ^{2nd} Heavily Timbered
- 26.00 Road, bears N.W. and S.E.
- 40.00 Set a limestone 24 x 10 x 6 ins.
11 ins. in the ground, marked
4 on W. face; and raise a mound
of stone 2 ft. base, 1½ ft high.
W. of cor. Pits impracticable
- 41.00 Ascend rocky slope to E.
- 61.00 Top of mesa, bears N.E. and S.W.
- 77.00 Descend
- 80.00 Set a limestone 24 x 12 x 6 ins.
12 ins. in the ground, - ground
too rocky to sink deeper - for cor.
of secs. 25, 30, 31 and 36 marked with 5
notches on the N. and notch on the S
sides; from which
A cedar 10 ins. diam. bears
N. 58° 30' E, 123 lb. dist. mark-
ed J. 29 N., R. 2 E., S. 30, B. J.

A cedar, 12 ins. diam. bears
 S. $78\frac{1}{2}^{\circ}$ E., 57 lks. dist. marked
 T. 29 N., R. 2 E., S. 31, B. T.

A cedar 8 ins. diam. bears S. $24\frac{1}{2}^{\circ}$
 W. 27 lks. dist. marked T. 29 N.,
 R. 1 E., S. 36, B. T.

A cedar, 18 ins. diam., bears
 N. 7° W., 18 lks. dist., marked
 T. 29 N., R. 1 E., S. 25, B. T.

Land, rolling.

Soil, stoney; 4th rate.

Timber, cedar and pine
 /heavily timbered land 80. Chs.

North brt. secs 25 and 30.

Over rolling land. Heavily timbered

6.00

Bottom of ridge.

10.00

Ascend.

18.00

Top of mesa. br. N. E. and D. W.

26.00

Descend.

40.00

Set a limestone 20 x 12 x 4 ins.
15 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face; from
which

A pine 14 ins. diam. bears S. $33\frac{3}{4}$
W., 122 lbs. dist., marked $\frac{1}{4}$ S.
25, B.J.

Raised a mound of stone 2 ft.
base, $1\frac{1}{2}$ ft. high W. of cor.

+ 80.00

Set a limestone 20 x 14 x 6 ins.
15 ins. in the ground for cor.
of secs. 19, 24, 25, and 30,
marked with 2 notches on S.
and 4 notches on N. edges;
from which

A pine, 10 ins. diam., bears N. 35°
E., 180 lbs. dist., marked J. 29, 2,
R. 2 E., S 19 B.J.

A cedar, 8 ins. diam., bears
S. $71\frac{1}{2}^{\circ}$ E., 168 lbs. dist., marked

T. 24 N., R. 1 E., S. 30, B. T.

A cedar, 18 ins. diam., bears
S. 70° W., 132 lbs. dist., marked

T. 24 N., R. 1 E., S. 25, B. T.

A pine, 14 ins. diam., bears
N. 86° W., 125 lbs. dist., marked

T. 24 N., R. 1 E., S. 24, B. T.

Land, rough and rolling.

Soil, rocky; 4th rate.

Timber, cedar and pine.

Heavily timbered land 80. Chs.

North 1/2 sec. 19 and 24.
heavily timbered
Over rolling land

34.35 Branch of Santa Fe ^{and} Grand Canyon R.R.
between Anita Mines and
Anita Junction bears S. 80° 30' E.

36.32 Wagon road to Anita Mines bears
E and W.

40.06 Set a limestone 20 x 8 x 6 ins.

15 ins. in the ground, for $\frac{1}{4}$ sec.
 Cor. marked $\frac{1}{4}$ on W. face; from
 which

A pine 4 ins. diam. bears
 N. $2\frac{1}{2}^{\circ}$ E., 281 lbs. dist., marked $\frac{1}{4}$ S.
 19, B. J.

A pine 10 ins. diam. bears
 N. $27\frac{1}{4}^{\circ}$ W., 139 lbs. dist., marked $\frac{1}{4}$ S.
 24, B. J.

59.11 Rod, bears N 30° E and S 30° W.

80.00 Set a limestone $20 \times 12 \times 6$ ins.
 in mound of stone-ground
 to rocky to sink - for cor. of
 secs 13, 18, 19, and 24, marked
 with 3 notches on N. and S
 sides; from which

A cedar, 10 ins. diam., bears N. 7° E.,
 18 lbs. dist., marked, J. 24 N.,
 R. 2 E., S. 18 B. J.

A pine 10 ins. diam. bears

S. $31\frac{1}{2}^{\circ}$ E., 33 lks. dist., marked

T. 29 N., R. 2 E., S. 19, B. J.

A pine, 6 ins. diam., brass

S. 14° W., 13 lks. dist., marked

T. 29 N., R. 1 E., S. 24, B. J.

A pine, 12 ins. diam., brass

N. $42\frac{1}{2}^{\circ}$ W., 57 lks. dist., marked

T. 29 N., R. 1 E., S. 13 B. J.

Land, rolling.

Soil, 2nd and 4th rate.

Timber, cedar and pine.

Heavily timbered land 80 lks.

North but. secs. 13 and 11.

^{heavily} Timbered
Over land ascending to the North.

40.06

Set a limestone $30 \times 16 \times 6$ ins.

12 ins. in the ground - ground
too rocky to sink to proper
depth - for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face; from which

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A pine, 12 ins. diam., bears
 N. $19\frac{1}{2}^{\circ}$ E., 24 lbs. dist., marked
 $\frac{1}{4}$ S. 18, B.J.

A pine, 12 ins. diam., bears
 S. $47\frac{1}{2}^{\circ}$ W., 12 lbs. dist., marked
 $\frac{1}{4}$ S. 13, B.J.

80.00

Set a limestone $20 \times 12 \times 8$ ins.
 10 ins. in the ground—ground
 too rocky to sink to proper
 depth—for cor. 4 sec. 7, 12, 13,
 and 18, marked with 2 notches
 on the N. and 4 notches on the
 S. edges; from which

A pine, 8 ins. diam., bears
 N. $24\frac{1}{2}^{\circ}$ E., 109 lbs. dist., marked
 J. 29 N., R. 3 E., S. 7, B.J.

A cedar, 18 ins. diam., bears
 S. 38° E., 39 lbs. dist., marked
 J. 29 N., R. 2 E., S. 18, B.J.

A cedar, 20 ins. diam.,

Cross S. 11° W., 75 lks dist.,
marked J. 29 N., R. 1 E., S. 13, B. J.

A pine, 10 ins diam., cross
N. 5° W., 58 lks. dist., marked
J. 29 N., R. 1 E., S. 13, B. J.

Land, rolling.

Soil, rocky; 4th rate

Timber, cedar and pine.

Heavily timbered land 80.00.

August 10, 1900

North, bot. sec. 7 and 12.

heavily timbered.
Over ascending ground.

9.63

S. F. and G. C. R. R. track, cross

N. $17^{\circ}40'$ E. and S. $17^{\circ}40'$ W.

28.00

descend.

29.75

Bottom of gulch; course E;
ascend

31.00

Top of ascent

40.00

Set a limestone 20 X 16 X 6 ins.

18 ins. in the ground for
 $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on W.

face; from which

A pine, 14 ins. diam., bears
 $S. 70^{\circ} E.$, 14 lbs. dist., marked
 $\frac{1}{4} S. 7, B. J.$

A cedar, 14 ins. diam., bears $S. 77^{\circ} W.$
 28 lbs. dist., marked $\frac{1}{4} S. 12, B. J.$

80.00

Set a limestone $24 \times 18 \times 4$ ins.,
 18 ins. in the ground, for cor.
 of secs. 1, 6, 7, and 12, marked
 with 1 notch on N. and 5 notches

on S. edges; from which

A cedar, 10 ins. diam., bears N.
 $56\frac{1}{2}^{\circ} E.$, 14 lbs. dist., marked
 $J. 29 N., R. 2 E., S. 6, B. J.$

A pine 10 ins. diam. bears S.
 $84^{\circ} E.$, 65 lbs. dist.; marked
 $J. 29 N., R. 1 E., S. 7, B. J.$

A pine, 14 ins. diam., bears $S. 29\frac{3}{4}^{\circ}$

W. 76 lbs dist. marked J. 29 N.,
R. 1 E., S. 13, B. 5

A pine, 12 ins. diam., bears N. $56\frac{1}{2}^{\circ}$
W., 22 lbs. dist., marked J. 29 N.,
R. 1 E., S. 1, B. 5.

Land, rough and rolling.

Soil, rocky; 4th rate.

Timber, cedar and pine.

Heavily timbered land 80. Chs.

North bet. secs. 1 and 6.

Over-rolling land. Heavily

6.70

descend. Timbered

8.00

Gulch; course 5.70° W.: ascend

9.50

Top of ascent.

33.95

A cedar, 24 ins. diam., on line;

mark with 2 notches on N. and
S. sides.

40.00

Set a limestone $18 \times 8 \times 6$ ins.

12 ins. in the ground for $\frac{1}{4}$ sec.

cor., marked 4 on W. face; from which

A pin, 12 ins diam., bears
N. $31\frac{1}{4}^{\circ}$ E., 45 lbs. dist., marked
 $\frac{1}{4}$ S. 6, B. J.

A pin, 8 ins. diam., bears
N. $35\frac{1}{4}^{\circ}$ W., 37 lbs. dist., marked
 $\frac{1}{4}$ S. 1, B. J.

Descend.

- 45.00 Bottom of descent; ascend.
- 57.00 Top of ascent; thence descend.
- 57.00 Bottom of descent; ascend.
- 61.00 Top of ridge.
- 66.00 Descend
- 74.00 Gulch, Course N. W.; ascend.
- 75.40 Top of bank
- 80.00 Set a limestone 36 X 18 X 6 ins.
8 ins. in the ground - ground too
rocky to sink to proper depth -
in a mound of stone and earth

for Cor. of Tps. 29 and 30 N., Rs
1 and 2 E., marked with 6
notches on each edge; from which
A pine 12 ins. diam. bears N. $36\frac{1}{2}^{\circ}$
E., 23 lks. dist., marked J. 30 N.
R. 2 E., S. 31, B. J.

A pine, 10 ins. diam., bears
S. 79° E., 80 lks. dist., marked
J. 29 N., R. 2 E., S. 6 B. J.

A pine, 14 ins. diam., bears
S. $3\frac{1}{2}^{\circ}$ W., 54 lks. dist., marked
J. 29 N., R. 1 E., S. 1, B. J.

A pine, 16 ins. diam., bears
N. 49° W., 14 lks. dist., marked
J. 30 N., R. 1 E., S. 36, B. J.

Land, rolling.

Soil, rocky; 4th rate.

Timber, Cedar and pine.

Heavily timbered land 80. Chs.

August 11: At 2^h 0^m p. m., l. m. t., I set off $35^{\circ} 55'$ on lat. arc; $15^{\circ} 14' N.$ on the decl. arc; and determining a true meridian with the solar, at the cor. of Tps. 29 and 30 N., Rs 1 and 2 E.

Thence I run

West on a random line, along the N. bdy. of Tps. 29 N., R. 1 E., setting temp. $\frac{1}{4}$ sec. and sec. corr. at intervals of 40.00 chs.; and, at 479.85 chs., intersect the Principal Meridian, 145 lts. S. of the cor. of Tps. 29 and 30 N., Rs 1 E. and 1 W., which is a limestone $18 \times 8 \times 6$ ins. - in mound of stone - above ground, marked and witnessed as described by the surveyor general.

The falling answers to a cor.

rection of $0^{\circ}10'$ or $24\frac{1}{2}$ lks N. per
 mile counting from N.E. cor.
 of T₁; therefore I run
 S. $89^{\circ}50'$ E., bet. secs. 6 and 31.
 Over ^{heavily timbered} rolling land.

39.85 Set a limestone $18 \times 12 \times 6$ ins.
 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N.
 fac; from which

A pine, 12 ins. diam., bears
 N. $29\frac{1}{4}$ E., 82 lks dist., marked
 $\frac{1}{4}$ S. 31, B. J.

A pine, 12 ins. diam., bears
 S. 9° W., 109 lks. dist., marked
 $\frac{1}{4}$ S. 6 B. J.

41.55 Descend.

43.00 Descend more abruptly: thence
 along the north side of a deep
 gulch

79.85 Set a limestone $18 \times 10 \times 8$ ins.

12 ins in the ground, for cor.
 of secs 5, 6, 31 and 32, marked
 with 5 notches on E. and 1 notch
 on W. edges; from which
 A cedar, 12 ins. diam., bears
 N. $34\frac{1}{2}^{\circ}$ E., 65 links dist., marked
 J. 30 N., R. 1 E., S. 32, B. J.

A cedar, 12 ins. diam., bears
 S. $81\frac{3}{4}^{\circ}$ E., 30 lks. dist., marked
 J. 29 N., R. 1 E., S. 5, B. J.

A pine, 12 ins. diam., bears
 S. 83° W., 83 lks. dist., marked
 J. 29 N., R. 1 E., S. 6, B. J.

A pine, 10 ins. diam., bears
 N. $40\frac{1}{2}^{\circ}$ W., 94 lks. dist., marked
 J. 30 N., R. 1 E., S. 31, B. J.

Land, rolling.

Soil, rocky; 4th rate.

Timber, cedar and pine.

Heavily timbered land 80. Cho.

No. 1377

BOOK 1377

23

S. $89^{\circ}50'E$. bet. secs. 5 and 32.

Over ^{heavily timbered} rolling land.

40.00

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 cedar, 12 ins. diam, bears
S. $48^{\circ}\frac{3}{4}W$, 168 lbs. dist, marked
 $\frac{1}{4}$ S. 5, B. J.

No other tree within limit.

Whig pits, $18 \times 18 \times 12$ ins., E. and
W. of stone, 3 ft. dist; and near
a mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, N. of cor.

80.00

Set a cedar post, 4 ft. long, 4 ins. sq.

18 ins. in the ground - ground too
rocky to sink deeper - for cor. of
secs. 4, 5, 32, and 33; marked

T. 30 N., S. 33 on N. E.,

R. 1 E., S. 4 on S. E.,

J. 29 N., S. 5 on S. W., and
S. 32 on N. W. faces; with 4
notches on E. and 2 notches on W
edges; from which

A juniper 8 ins diam., bears
S. $33\frac{30}{4}$ E., 109 lbs dist., marked

J. 24 N., R. 1 E., S. 4, B. I.

A cedar, 10 ins diam., bears

S. 47° W., 31 lbs dist., marked

J. 29 N., R. 1 E., S. 5, B. I.

A cedar, 10 ins. diam., bears

N. 12° W. 205 lbs. dist. marked

J. 30 N., R. 1 E., S. 32, B. I.

Land, rolling.

Soil, 4th rate.

Timber, cedar and pine.

Heavily timbered land 80. chs.

August 11th and 13th, 1900.

S. $89^{\circ}50'$ E. bet. secs. 4 and 33.

heavily timbered,
Over rolling land,

40.00 Set a limestone $24 \times 12 \times 6$ ins.
10 ins. in the ground. ground
too rocky to sink to proper depth
built a mound of stone and earth
around it for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on N. face; from which
A cedar, 12 ins. diam., bears
N. 36° E, 10 lks. dist., marked
 $\frac{1}{4}$ S. 33, B. J.

A cedar, 10 ins. diam., bears
S. $23\frac{1}{2}^\circ$ E, 59 lks. dist., marked
 $\frac{1}{4}$ S. 4, B. J.

71.00 Descend.

75.50 Gulch, course N. E.; ascend.

76.75 Top of ascent.

80.00 Set a limestone $24 \times 18 \times 4$ ins.
18 ins. in the ground, for cor.
of secs. 3, 4, 33, and 34, marked
with 3 notches on E. and Wedges;

From which

A cedar, 8 ins. diam., bears
N. $54\frac{1}{4}^{\circ}$ E., 179 lks. dist., marked
T. 30 N., R. 1 E., S. 34, B. T.

A cedar, 8 ins. diam., bears
N. $75\frac{3}{4}^{\circ}$ W., 139 lks. dist., marked
T. 30 N., R. 1 E., S. 33, B. T.

No other trees within limits.

Raise a mound of stone 2 ft.
base, $1\frac{1}{2}$ ft high, N. of cor.

Pits impracticable.

Land, rolling.

Soil, 4th rate

Timber, cedar and pine.

Heavily timbered land 80 chs.

S. $89^{\circ}58'$ E. bet. secs. 3 and 34
Over heavily timbered
Over rolling land.

16.00

Descend into Cañon.

19.50

Bottoms of cañon, course N. W.

- 22.00 Ascend steep wall of cañon.
- 23.50 Top of wall; thence over mesa.
- 40.00 Set a limestone 20x10x6 ins.
15 ins in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face;
and raise a mound of stone
2 ft base, $\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.
- 43.00 Descend Cañon wall.
- 44.50 Bottom of cañon, course south;
ascend.
- 47.00 Top of bank of cañon.
- 68.00 Descend into Cañon.
- 71.00 Bottom of cañon; ascend.
- 80.00 Set a limestone 20x10x6 ins.
15 ins in the ground, for cor.
of secs. 2, 3, 34, and 35, marked
with 2 notches on E and 4
notches on W. edge; from which
a pine, 10 ins. diam., bears

N. 76° E., 32 lks. dist., marked

T. 30 N., R. 1 E., S. 35, B. T.

A pine, 16 ins. diam., bears

S. 8 1/2° E., 32 lks. dist., marked

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

A pine, 12 ins. diam. bears

S. 57° W., 23 lks. dist., marked

T. 29 N., R. 1 E., S. 3, B. T.

A pine, 14 ins. diam., bears

N. 9 1/2° W., 13 lks. dist. marked

T. 30 N., R. 1 E., S. 34, B. T.

Land, rough and rolling.

Soil, rocky; 4th rate

Timber, cedar and pine.

Heavily timbered land 80 ch

S. 89° 50' E. bet. secs. 2 and 35.

Over ~~rolling land~~ ^{Heavily Timbered}

40.00

Set a limestone 30 x 12 x 4 ins

22 ins. in the ground, for 1/4 sec.

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

A cedar, 15 ins. diam., bears
S. 45° W., 20 lbs. dist., marked
 $\frac{1}{4}$ S. 2, B. J.

A cedar, 12 ins. diam., bears
N. $77\frac{1}{2}^{\circ}$ W., 53 lbs. dist., marked
 $\frac{1}{4}$ S. 35, B. J.

80.00

Set a limestone $24 \times 12 \times 6$ ins.
18 ins. in the ground, for cor.
of secs. 1, 2, 35, and 36 marked
with 1 notch on E. and 5 notches
on wedges; from which

A pine, 12 ins. diam., bears N.
 89° E., 28 lbs. dist., marked
J. 30 N., R. 1 E., S. 36, B. J.

A pine, 14 ins. diam., bears
S 24° E. 55 lbs. dist. marked
J. 29 N., R. 1 E., S. 1, B. J.

A pine, 12 ins. diam., bears

S. 41° W., 46 lbs dist., marked
 J. 29 N., R. 1 E., S. 2, B. J.

A pine, 6 ins. diam., bears
 N. 89½° W., 12 lbs. dist., marked
 J. 30 N., R. 1 E., S. 35, B. J.

Land, rolling

Soil, 4th rate

Heavily timbered land 80000.

S. 89° 50' E. bet sees. 1 and 36.
 heavily timbered
 Over rolling land,

5.00

Begin to descend.

14.50

Bottom of Cañon, 300 ft. deep,
 course N. W.; Ascend

24.00

Top of N. bank

30.00

Begin to descend

38.00

Gulch, course S.

40.00

Set a sand stone 24 X 10 X 4 ins.
 12 ins. in the ground, ground
 too rocky to sink to proper

depth - built a mound of stone and earth around - for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which

A cedar, 10 ins. diam., bears N. $27\frac{1}{2}^{\circ}$ E., 38 lbs. dist., marked $\frac{1}{4}$ S. 36, B. J.

A pine, 16 ins. diam., bears S. 19° W., 66 lbs. dist., marked $\frac{1}{4}$ S. 1, B. J.

- 42.00 Ridge, bears N. and S.; descend.
 52.00 Cañon, course S. W.; ascend.
 59.00 Top of ascent; thence along S. side of ^{Ridge}
 72.20 gulch, course N. W.; ascend.
 78.50 Top of ascent.
 80.00 The cor. of Tps. 29 and 30 N. Rs 1 and 2 E.

Land, rough and rolling.

Soil, rocky; 4th rate.

Timber, cedar and pine.

32

Heavily timbered land 80 lbs.

August 14th, 1900.

Boundaries of T. 29-N. R. 1-E.
 Latitudes, Departures and
 Closing Errors

Line Designated	True bearing	Distance	Latitudes		Departures	
			N	S	E	W.
Principal Meridian	North	480.	480.			
north by T. 29-N. R. 1-E.	S 89° 50' E	479.85			479.85	
East by T. 29-N. R. 1-E	South	480.-		480.		
7 th standard Parallel north	West	480				480.
Convergence					.524	
					1.52	
					480.369	
			480.00	481.139	480.26	480.
			480.00		480.00	
				1.39	.369	
					.26	

This township is rough and cut by many cañons in the north and north east.

The land for the most part is very rocky.

The township is well timbered but is destitute of water.

Francis B. Jacobs

U.S. Deputy Surveyor

August 14th 1900

(final notes will be in notes of the last of the five years)

A P P R O V A L.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona.

Feb. 1st 1901.

The foregoing field notes of the survey of *The East and S. Bdry* of *T. 29 N. R. 1 E* executed by *Francis B. Jacobs, D.S.* under his contract No. *73*, 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.

George Christ
U. S. Surveyor General for Arizona.