

EAST and NORTH BAYS.
T. R. H., R. D. E.
JACOBS.

BOOK 1449

No. 1449

1449

4-671

FIELD NOTES
GENERAL LAND OFFICE.

Copied A. H. L.

Des. sheet copied C. G. M. 4/27/03.

" " Comp. Am. m. L.

Compared with
L. H.

transmitted C. G. M. Aug 17th '03

Cor. Sp. 221 231 A B C D E should
be changed to 221 231 A B C

Seals 2nd time N. O. O. 4/28/03

Field Notes
of the survey
of the
East $\frac{2}{3}$ North Boundaries
of
Township N^o 22, North,
Range N^o 9, East
of the
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
Francis B. Jacobs
U. S. Depy. Surveyor.
under his
Contract N^o 96
Dated June 30th 1902
Survey commenced. August 9th 1902
Survey completed. August 15th 1902

1449

Names and duties of Assistants

Alfred J. McMillan Chairman
 Lybster Lylin Chairman
 Joseph W. Landers Moundman
 E. Vangant Lybrook Axeman
 William M. Wilson Axeman
 Harry M. Havens Flagman

BOOK 1449

INDEX

31	32	33	34	35	36
34	32	30	28	26	24
6	5	4	3	2	1
					2
					12
					13
					24
					25
					12 31
					36
					10 31

T. 22, N. R. 9, E.

Preliminary Oaths of Assistants.

BOOK 1449

BOOK 1449
BOOK BOOK

We Agred J McMillan
and Sylvester Laffin

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
ticking or dropping the same; that we will report the true dis-
tance 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

Exterior lines of
Sp. 22. and 23 N. R. 9 E.

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

Agred J McMillan Chainman.
Sylvester Laffin Chainman.

Subscribed and sworn before me, this 4th

day of August 1882

Francis Jacobs
Notary Public.

My commission Expires March 2^d 1904

We *E. Vauzant Lybrook*
William M. Wilson *Harry M. Havens*
and *Joseph O. Sanders*

do solemnly swear that we will well and truly perform the
the duties of *Apemen* *Flagman*
and *meand man* 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 *Exterior lines*
Tps. 22 N. R. 9 E.

BOOK 1449

BOOK 1449

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

E. Vauzant Lybrook *Apeman*
William M. Wilson *Apeman*
Harry M. Havens *Flagman*
Joseph O. Sanders *Meand man*

Subscribed and sworn to before me this *4th*
day of *August* *1882*



Francis Jacobs
Notary Public.
my Commission Expires *march*
1884

Final Oaths with
Exts. Tp. 23 N., R. 9 E.



T. 22, N. R. 9, E.

Chs Survey commenced Aug. 9th 1902
 and executed with a Gurley light
 mountain transit No. —
 with Burt solar attachment.
 The horizontal 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 examined,
 tested on the true meridian at
Tucson, Arizona, found correct,
 and was approved by the Surveyor
 General for Arizona Jan. 7th 1902
 Examined the adjustments of the
 transit and correct the level
 and collimation errors; then,
 to test the solar apparatus

EAST BOUNDARY OF

by comparing its indications, resulting from solar observations, made during a.m. & P.M. hrs., with a true meridian determined by observations on Polaris, I proceed as follows:

Aug. 12th 1902: At the corner of Sps. 21. & 22. N. Rs. 9. & 10. E., latitude $35^{\circ} 12' 38''$ N., longitude $111^{\circ} 22' - 25''$ W. At 4 hrs, 10 m. P.M. l.m. t., I set off, $35^{\circ} 13'$ N. on the latitude arc; $15^{\circ} 04'$ N. on declination arc, and determined with the solar a true meridian, and mark a point thereof on a stone set firmly in the ground, 5 chs N. of the cor.

At 10 h. 1 m. P.M. by my watch, which is correct l.m. t., I observe Polaris at Eastern Elongation

T. 22. N R. 9. E.

in accordance with manual of Instructions, and mark a point on the line thus determined on a plug driven in the ground, 5 chs N. of my station, Aug 12th 1902

Aug. 10th 1902: At 7 h. 4 m. A.M. l.m.t., I lay off the azimuth of Polaris, $1^{\circ} 29'$ to the N., and mark the true meridian thus determined, cutting a small groove in the stone set Aug. 12th, on which the true meridian falls $\frac{3}{10}$ of an inch, N. of the mark determined by the solar. At 8 h. l.m.t., I set off $35^{\circ} 13'$, on latitude arc $14^{\circ} 52'$ N., on declination arc, and mark a point in the true meridian determined with the solar,

EAST BOUNDARY OF

by a cross on the stone already set, 5 chs N. of my station; this mark falls 0.4 ins. west of the true meridian established by the Polaris observation.

The solar apparatus by am & P.M. observations defines positions for true meridians about 16" E. and 21" W. of the true meridian established by Polaris observations; therefore, I conclude the adjustments of my instrument are satisfactory.

The mag. bearing of the true meridian at 8 A.M. is N. $14^{\circ}21'10''$ W., the angle thus determined reduced by the table on page 100 gives the mean mag. declination $14^{\circ}27'$ E.

T. 22, N.

R. 9, E.

I begin at the corner of T. 21
 & 22, N. R. 9 & 10, E. which is a
 volcanic stone, 20 x 18 x 12 ins., 15 ins
 in the ground, marked with six notches
 on the N.E. S & W edges, from which;
 A juniper, 6 ins. in diam., bears N. 19°
 15' E., 81 lks. dist., marked T. 22, N.
 R. 10, E. S. 31, B. T.

A juniper, 8 ins. in diam., bears S. 70°
 15' E., 51 lks. dist., marked T. 21,
 N. R. 10, E. S. 6, B. T.

A juniper, 10 ins. in diam., bears
 S. 89° W. 35 lks. dist., marked T.
 21, N. R. 9, E. S. 1, B. T.

A juniper, 10 ins. in diam., bears
 N. 17° 45' W., 36 lks. dist.,
 marked T. 22, N. R. 9, E
 S. 36, B. T.

EAST BOUNDARY OF

- Chs Thence I run North bet. secs
31 & 36 over hilly ground,
through dense Juniper & Pines.
- 28.00 Ascend
- 40.00 Set a malpai stone, 18x10x8
ins., 12 ins in the ground for 1/4
Sec cor., marked 1/4 on W. face,
from which a ^{Cedar} ~~Juniper~~ 12 ins. in
diam., bears S. ^{70°} ~~104~~ E, ~~28~~ ²⁸
lks dist., marked 1/4 S. 31 B.T.
- ^{x 59° W} A ^{Cedar} ~~Juniper~~ 6 in. ¹⁸
in diam., bears S. ~~24~~ W. ~~27~~ lks. dist., marked
1/4 S. 36 B.T.
- 42.00 Ridge bears S.E. & N.W.
- 64.00 Descend gently
- 77.00 Descend toward Walnut Creek
- 80.00 Set a malpai stone, 20x10x6
ins., 15 ins. in the ground, for
cor. Secs. 25, 30, 31, & 36. marked
with one notch on the south

T. 22, N. R. 9, E.

chs

and five notches on the north
 edges, from which a
 pine ¹² 10 ins. in diam., bears
~~N. 24° 30' E.~~ ^{245 1/2 E.} ⁴¹ 84 lks. dist. marked
 T. 22, N. R. 10, E. ⁵ 30 S. B. T.

A pine, ^{eeckar} 10 ins. in diam., bears S.
^{41 1/4} 40° 30' E. ⁴³ 84 lks. dist., marked
 T. 22, N. R. 10, E. S. 31. B. T.

A pine, ¹² 8 ins. in diam., bears S.
^{65 1/4} 30° W. ⁵³ 107 lks. dist., marked
 T. 22, N. R. 9, E. S. 36. B. T.

A pine, 12 ins. in diam., bears
⁷⁸⁰ N. ⁷⁶ 62° W. ⁴⁸ 48 lks. dist., marked
 T. 22, N. R. 9, E. S. 25 B. T.

Land, hilly

Soil, rocky and cinders, 3" &
4" rate

Timber, dense Juniper & Pine.

Mountainous land, covered
with dense timber and

EAST BOUNDARY OF

Chs. undergrowth 80 chs.

North bet. Secs 25 & 30. over rolling land, through dense cedar & pine.

11.00 Descent into Walnut Creek

20.00 Bottom of Walnut Canyon, chain wide, course East, 3 chs E, creek enters box canyon
Ascend

30.00 Top of north bank of canyon, and ascend gently

40.00 Set a volcanic stone, 18x10x6 ins. 12 ins. in the ground, for 1/4 Sec. cor. marked 1/4 on N face, from which a ^{cedar} Juniper, 8 ins. in diam., bears N. ~~38~~⁴² E. ~~37~~³⁸ lks dist., marked 1/4 S. 30. B.T.

^{cedar 8}
A pine, 6 ins. in diam., bears N. ~~59~~³⁰ W. ~~24~~²⁵ lks dist., marked

T. 22, N. R. 9, E.

Chs $\frac{1}{4}$ S. 25. B.T.

Descend

50.00 Bottom of descent

61.10 Road bears E & W

78.00 Descend

80.00 Set a volcanic stone, 24 x 10 x 8 ins. 18 ins. in the cinders, for cor. of secs. 19, 24, 25 & 30., marked with 2 notches on the S & W notches on the N. edges, from which: a ^{cedar 12} pine, ³¹⁰ 14 ins. in diam., bears ~~J. 14° E. 38~~ lks dist., marked ~~S. 22 N. R. 10 E. S. 19. B.T.~~ ²⁵

A pine, ¹² 14 ins. in diam., bears ~~S. 15° 15' E. 64~~ lks dist., marked ~~J. 22. N. R. 10. E. S. 30. B.T.~~ ^{580 42}

A pine, ¹² 10 ins. in diam., bears ~~S. 87° 30' W. 77~~ lks dist., marked ~~J. 22. N. R. 9. E.~~ ^{580 30 53 14}

346 $\frac{1}{2}$ 206

5490 W

EAST BOUNDARY OF

Chs

S. 25. B. J.

A ^{cedar 12} pine 6 ms. in diam., bears

N 37 1/2° W

N. ~~19° 30'~~ ^{39° 30'} N. ~~48~~ ²⁷ lks. dist.,marked T. 22. N. R. 9. E. S.
24. B. J.

Land, rolling and hilly.

Soil, cinders and stony, 3" & 4"
rate.

Timber, cedar and pine

Land covered with dense timber
and undergrowth, pine and
scrub cedar, 80 chs.N. bet. secs. 19 & 24, over
mountainous land covered
with dense cedar and pine9.40 ^{Highers} Road bears N.E. & S.W.

30.00 Ascend

40.00 Set a pine post, 3 ft long, 6
ins square, 24 ins. in the

T. 22, N. R. 9, E

Chs ground, for $\frac{1}{4}$ sec cor. marked
 $\frac{1}{4}$ S, 24 on the west and 19 on
 the east faces; from which, a
 pine, ²⁴ 30 ins. in diam., bears N.

~~N 30° E~~ ^{34°} ~~27° 15'~~ ²⁷ E., ~~71~~ lks dist., marked
 $\frac{1}{4}$ S, 19. B.S.

A pine, ¹⁸ 24 ins. in diam., bears N

~~39°~~ ^{20 30'} ~~6° 30'~~ ⁵² N, 82 lks dist., marked
 $\frac{1}{4}$ S. 24 B.S.

54.00 Ascend abruptly to crater.

72.00 Top of crater on N. slope, 1000
 feet above flat; this crater ap-
 pears to be composed of cinders
 and lava.

Descend.

80.00 Draw course W; set volcanic
 stone, 16 x 12 x 6 ins., 11 ins. in the
 ground, for the corner of secs.
 13, 18, 19 & 24, marked with 3
 notches on the north and

EAST BOUNDARY OF

Chs south edges, from which, a
~~5~~ pine ~~14~~ ins. in diam., bears N.
~~71°~~ ⁸⁹ E., ~~20~~ lks dist., marked
 J. 22. N., R. 10. E. S. 18. B. I.

A ~~cedar~~ pine, ~~6~~ ins. in diam., bears S.
~~36 3/4°~~ ⁴⁰ E., ~~20~~ ²⁸ lks dist., marked
 J. 22. N. R. 10. E. S. 19. B. I.

A ~~cedar~~ Juniper, ~~30~~ ⁸ ins. in diam.,
 bears S. ~~25°~~ ⁴⁹⁰ 15' N., ~~80~~ ⁴⁸ lks
 dist., marked J. 22. N. R. 9.
 E. S. 24. B. I.

A ~~cedar~~ Juniper, 8 ins. in diam., bears
~~72 1/4°~~ ⁵⁰ W., ~~36~~ lks dist.,
 marked J. 22. N. R. 9. E. S.
 13. B. I.

Land, rolling and mountainous.
 Soil, cinders and 4" grate.

Timber, Cedar and Pine.

Mountainous land, or land
 covered with dense timber,

T. 22, N. R. 9, E.

Chs. 80 chs.

North bet. SECS. 13 & 18, over
mountainous and rolling land
covered with dense cedar and
pines; ascend

5.00 Top of ridge, 150 ft above cor.,
slopes west; descend

17.00 Low saddle bet. 2 hills, ascend

24.00 Hill, 200 ft above saddle, de-
scend slope

40.00 Set a volcanic stone, 24x10x6
ins., 18 ins. in the ground, for
1/4 S. cor., marked 1/4 on the
west face; from which a ^{cedar} pine, 12
ins. in diam., bears N. ~~21° E. 196~~
^{dist} marked 1/4 S., 18. B.S. ^{S 49 1/4 E. 40}

A ^{cedar} pine, 11 ins. in diam., bears
S. ~~81° W.~~ ¹⁰ 24 lks dist., marked
1/4 S. 13. B.S.

N 34° 3/4 W

EAST BOUNDARY OF

Chs

50.00

Bottom of hill

80.00

Set a volcanic stone, 18 x 8 x 6
 ins. 12 ins. in the ground, for
 cor. of secs. 7, 12, 13 & 18, marked
 with 4 notches on the south &
 2 notches on the north edges;
 from which a ^{cedar 10} pine, 5 ins. in diam.,
 bears N. ^{23°} ~~63°~~ 30' E, ⁶² 29 lks. dist.,
 marked T. 22, N. Range 10, E. S. 7.
 B.T.

A ^{pine} cedar, 5 ins. in diam., bears S.
^{87° 45'} ~~26° 45'~~ E, ⁷¹ ~~45~~ lks. dist., marked
 T. 22, N. R. 10, E. S. 18, B.T.

A cedar, ⁶ 5 ins. in diam., bears S.
^{89° 14'} ~~28°~~ W, ³⁶ ~~42~~ lks. dist., marked
 T. 22, N. R. 9, E. S. 13, B.T.

A pine, ¹⁰ ~~12~~ ins. diam., bears N.
^{49° 14'} ~~15°~~ 45' W, ⁴² ~~89~~ lks. dist., marked
 T. 22, N. R. 9, E. S. 12, B.T.

T. 22, N. R. 9, E.

Chs. Land, mountainous and rolling.
Soil, rocky and cinders, 3" & 4"
rate

Timber, cedar and pine.

Land mountainous, ~~is~~ covered
with dense cedar or pine, 80 Chs.

Aug. 10th 1902

N. bet. secs. 7 & 12, descending
gently through dense cedar & pine.

40.00

Set a volcanic stone, 18 x 12 x 10
ins, 12 ins. in the ground, for

1/4 Sec. Cor., marked 1/4 on w. face,
from which a pine, ⁶ 8 ins in
diam., brs. ~~N. 42° 30' E 40~~ ^{S 77 1/2° E}

dist., marked 1/4 S. ⁷ B. I.

A cedar, 10 ins. in diam., bears
N. ^{43°} 17° W; ¹² #8 lks dist., marked

1/4 S. 12. B. I.

49.00

Descend cinder hill.

60.00

Bottom of hill; enter lava beds

EAST BOUNDARY OF

Cho

70.00 Leave lava beds and ascend
 80.00 Set a volcanic stove, 18 x 10 x 8,
 12 ins. in the ground, for cor.
 of secs. 1, 6, 7 & 12, marked with
 S notches on the south & I on
 the north edges; from which;
 a cedar, 8 ins. in diam., hrs
 N. ~~63°~~^{76°} E. 76 lks. dist., marked
 J. 22. N. R. 10. E. S. 6. B. J.

A cedar, 8¹⁰ ins. in diam., hrs
 S. ~~16°~~^{31°} E., ~~55~~⁶⁷ lks. dist., marked
 J. 22. N. R. 10. E. S. 7. B. J.

A cedar, 8 ins. diam., hrs S.
~~12°~~^{15°} N. ~~80~~³² lks. dist., marked J.
 22. N. R. 9. E. S. 12. B. J.

A cedar, 8 ins. diam., hrs N. ~~70°~~^{50°}
~~15°~~^{30°} W. ~~83~~ lks. dist., marked
 J. 22. N. R. 9. E. S. 1. B. J.

Land, hilly and level

T. 22, N. R. 9, E

Obs. Soil, cinders and 4" gravel.
 Timber, pine & dense scrub cedar
 land, hilly, or covered with dense
 timber, 80 chs.

N. lat. Secs 1 & 6, through dense
 cedar & pine; top of flat ridge
 b/w E. & W.

Ascend

28.00 Descend

40.00 Set lava stone, 20 x 10 x 5 ins., 15
 ins. in the ground, for 1/4 cor.,
 marked 1/4 on W. face; from
 which a pine, 12 ins. in diam., b/w
^{50/20} N ~~45~~⁵⁴ E., ~~113~~ b/w dist., marked
 1/4 S. 6. B.I.

A pine, 18 ins in diam., b/w ⁰²⁰ S. ~~50~~⁵⁰
 W. 76 b/w dist., marked 1/4 S. 1.
 B.I.

58.00 Bottom of descent.

EAST BOUNDARY OF

Ehs.

60.00

Ascend lava ridge

78.00

Top of lava ridge bet. E and W.

79.00

Descend.

~~79.96~~
80.00

Set a lava stone, 18 x 10 x 6 ins.,
12 ins. in the ground, for cor.
of Ips. 22. N. 23. N., R. 9. 2 10. E.
marked with 6 grooves on N, E,
W and S. edges; 23 N. on N. E.
face. 10. E, on S. E. face,
22. N. on S. W., 9. E. on N. W.; from
which; A pine, 12 ins. in diam.,
bears N. $68^{\circ} 30'$ E., 45 lks
dist., marked J. 23. N. R. 10. E.
S. 31. B. J.

A pine, 8 ins in diam., bet S.
 $140^{\circ} 45'$ E., 58 lks dist., marked
J. 22. N. R. 10. E. S. 6. B. J.

A pine, 6 ins. in diam., bet
S. $42^{\circ} 30'$ W., 59 lks dist.,

See Deputy's letter of
July 1st.

Map of

T. 22, N.

R. 9, E

Chs. marked T. 22. N. R. 9. E. S. 1.
B.J.

A pine, 12 ins. in diam., hrs
N. 48° 30' W., 60 lbs disk, marked
T. 23. N. R. 9. E. S. 36. B.J.

Land, mountainous & hilly
Soil, cinders, 4" rate.

Timber, pine & dense scrub cedar

Land mountainous or covered
with dense cedar, ⁷²⁹⁶ Fo chs.

Dense Undergrowth 80.00 Chus
August 11th 1902

NORTH BOUNDARY OF

Chs From the cor. of T's 22, & 23.
 N. R's 8, & 9, E., which is a post
 4 1/2 ft long, 4 ins. sq., 2 1/2 ins. in
 the ground, marked T. 23. N., S. 31.
 on the N. E., R. 9, E., S. 6. on the S.
 E., T. 22. N. S. 1. on the S. W., and R.
 8, E. S. 36 on N. W. face, with 6
 notches on each edge, with B. I.
 in Secs. 31, 6, and 1, as described
 by the Surveyor General. B. I.
 in Sec. 36 missing, I run east
 on a random line 477.37 Ch distance
 and intersect the Bdy. of T's 22.
 & 23. N. R's 9 & 10. E. at a point
 12.26 Chs N. of said cor.

previously described
 from cor. of T's 22, & 23 N. R's 9 & 10 E.

Thence, I run west on a true
 line bet. Secs. 1 & 36 through
 dense cedar & pines.

10.00 Descend

T. 22. N. R. 9. E.

Chms

25.00

Bottom of Ravine, ascend

40.00

Set a Volcanic Stone, $16 \times 8 \times 6$ ins.,
 11 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
 marked $\frac{1}{4}$ on N. face, from which
 A pine, 6 ins. in diam., bears South
 , 50 lks dist., marked
 $\frac{1}{4}$ S. 1. B.T.

A pine, 5 ins in diam., bears N. $59\frac{1}{2}^{\circ}$
 W., 50 lks dist., marked
 $\frac{1}{4}$ S. 36. B.T.

Ascend

80.00

Set a Volcanic Stone, $16 \times 8 \times 4$ ins.
 11 ins. in the ground, for cor. of
 secs. 1, 2, 35 and 36, marked
 with 1 notch on E. and 5 notches on ^{edges} W. face, from
 which

A pine, 4 ins. in diam., bears N.
 $73\frac{1}{2}^{\circ}$ E., 96 lks dist., marked
 T. 23. N. R. 9. E. S. 36. B.T.

NORTH BOUNDARY OF

Chms A pine, 15 ins in diam., bears S.
14 $\frac{1}{2}$ ° E., 115 lks dist., marked
T. 22. N. R. 9. E. S. 1. B. T.

A pine, 16 ins. in diam., bears S.
38° W., 91 lks dist., marked
T. 22. N. R. 9. E. S. 2. B. T.

A pine, 16 ins. in diam., bears N.
26 $\frac{1}{4}$ ° W., 147 lks dist., marked
T. 23. N. R. 9. E. S. 35. B. T.

Land, mountainous

Soil, 4" rate

Timber, pine

Mountainous land and
dense undergrowth. 8000 Chms

August 12th 1902

W., bet secs 2 and 35

Ascend through Timber and brush

40.00 Set a Lava Stone, 16 x 8 x 6 ins., 11
ins in the ground, for 14 sec.

T. 22. N. R. 9. E

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

A pine, 30 ins. in diam., bears S. $74\frac{1}{4}^{\circ}$ W., 100 lks dist., marked $\frac{1}{4}$ S. 25. B.T.

A pine, 10 ins. in diam., bears N. $63\frac{1}{2}^{\circ}$ W., 30 lks dist., marked $\frac{1}{4}$ S. 35. B.T.

Ascend along S. slope of mountain

80.00

Set a lava stone, $16 \times 8 \times 5$ ins., 11 ins. in the ground, ^{for cor. of secs. 2, 3, 34 and 35} marked with 2 notches on E, and 4 notches on W. edges, from which

A pine, 18 ins in diam., bears N. $49\frac{3}{4}^{\circ}$ E., 117 lks dist., marked T. 23. N. R. 9. E. S. 35. B.T.

A pine, 8 ins. in diam., bears S. $33\frac{1}{4}^{\circ}$ E., 16 lks dist., marked T. 22. N. R. 9. E. S. 2. B.T.

A pine, 5 ins. in diam., bears

NORTH BOUNDARY OF

Chms S. 6° W., 17 lks dist., marked
 T. 22. N. R. 9. E. S. 3. B.T.
 A pine, 12 ins. in diam., bears N.
 $86\frac{1}{4}$ W., 60 lks dist., marked
 T. 23. N. R. 9. E. S. 34. B.T.
 Land, mountainous
 Soil, 4" rate
 Timber, pine
 Mountainous land and dense
 undergrowth. 80.00 chms

N. bet. Secs 3 and 34

Ascend along S. slope of mountain
 40.00 Set a pine post, 3 ft. long, 3 ins.
 sq., 24 ins in the ground, for $\frac{1}{4}$
 sec. cor., marked $\frac{1}{4}$ S. 34 on N,
 3 on S. faces, from which
 A pine, 78 ins. in diam., bears
 S. $13\frac{1}{2}^{\circ}$ E., 47 lks dist., marked

T. 22 N.

R. 9 E.

Chns

114 S. 34. B.T.

A pine, 24 ins. in diam., bears N.
1° W., 64 lks dist., marked

114 S. 34. B.T.

8000

Set a Maepai stone, 16 x 8 x 4 ins.,
11 ins in the ground, for cor. of
secs. 3, 4, 33 and 34, marked with
3 notches on the East and
West. edges, from which

A pine, 14 ins. in diam., bears N.
25 1/2° E., 88 lks dist., marked

T. 23 N. R. 9. E. S. 34. B.T.

A pine, 12 ins in diam., bears S.
71 3/4° E., 99 lks dist., marked

T. 22. N. R. 9. E. S. 3. B.T.

A pine, 10 ins. in diam., bears S.
74 3/4° N., 31 lks dist., marked

T. 22. N. R. 9. E. S. 4. B.T.

A pine, 10 ins in diam., bears N.

17 1/4° N., 130 lks dist., marked

NORTH BOUNDARY OF

Chms T. 23. N. R. 9. E. S. 33. B.T.
 Land, mountainous
 Sec, 4" rate
 Timber, pine
 Mountainous and heavily
 timbered land 80.00 chms

W. bet sees. 4 and 33

Over mountainous land
 Ascend rapidly up S. slope of
 high mountain

Through pine timber and brush

12.00 Descend

4000 Set a pine post, 3 ft. long, 3 ins.
 sq., 24 ins. in the ground, for 11th
 sec. cor., marked 11³³ on N. face,
 from which 4 on S. face, from which
 A pine, 16 ins. in diam., bears S.

T. 22, N. R. 9, E.

Chms 353¹/₄° W., 68 lks dist., marked
1¹/₄ S. . B.T.

A pine, 20 ins. in diam., bears N.
21¹/₄° W., 57 lks dist., marked

~~Bottom~~ ^{1¹/₄ S.} ~~and ascend to~~ B.T.

67.00 Descend

76.50 Bottom of Crater, cinders stand at
angle of 30° ascend

78.50 Top. Ascend, rim of crater.

80.00 Set a Volcanic stone, 16x8x4 ins.,
11 ins in the ground, for cor. of
secs. 4, 5, 32 and 33., marked
with 4 notches on E. and 2 on W.
Edges
~~sides~~, from which

A pine, 12 ins. in diam., bears N.
37° E., 77 lks dist., marked
T. 23. N. R. 9. E. S. 33. B.T.

A pine, 12 ins. in diam., bears
S. 79° E., 54 lks dist., marked

T. 22. N. R. 9. E. S. 4. B.T.

NORTH BOUNDARY OF

Chms A pine, 4 ins. in diam., bears S.
 58 $\frac{1}{2}$ ° W., 21 lks dist., marked
 T. 22. N. R. 9. E. S. 5. B.T.
 A pine, 44 ins in diam., bears N.
 65 $\frac{1}{2}$ ° W., 59 lks dist., marked
 T. 23. N. R. 9. E. S. 32. B.T.

Land. mountainous

Sec, 4" rate

Timber, pine

Mountainous and heavily
 timbered land. 80.00 chms.

August 13th 1902

W. bet. Secs 5 and 32

Ascend steep mountain

12.00 Descend steep mountain

28.00 Saddle, ascend

40.00 Set a Volcanic Stone, 16 x 10 x 8 ins.,
 11 ins. in the ground, for 11 sec
 cor., marked 11 on N. face,

T. 22, N. R. 9, E

Chns

from which

BOOK 1449

A pine, 5 ins in diam., bears S.

17 $\frac{1}{4}$ ° E., 20 lks dist., marked

1/4 S. 5. B.T.

A pine, 8 ins. in diam., bears N.

53 $\frac{1}{4}$ ° W., 39 lks. dist., marked

1/4 S. 32. B.T.

60.00

Top of high mountain, 1500 ft above valley

80.00

Set a pine post, 3 ft. long, 4 ins.

sq., 24 ins. in the ground, for cor.

of secs. 5, 6, 31 and 32; dig pits

18 x 18 x 12 ins., in each sec., 4 ft.

dist., and raise a mound of
earth, 4 ft base, 2 ft high, W. of cor.

Land, mountainous

Soil, 4" rate

Timber, pine

Mountainous and heavily timbered

land and dense undergrowth. 8000 chns

marked T 23 N R 32 on N.E.
R 9 E S 5 on S.E.
T 22 N S 6 on S.W. and
R 9 E S 1 on N.W.

NORTH BOUNDARY OF

- Chns W. bet. secs 6 and 31
- 20.00 Descend steep mountain
Foot of mountain
Over broken land
Through pine timber,
- 40.00 Set a pine post, 3 ft. long, 3 ins. sq., 24 ins in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S. 31. on N and 6 on S. faces, from which
A pine, 12 ins. in diam., bears N. $32\frac{1}{2}^{\circ}$ E., 97 lks dist., marked
 $\frac{1}{4}$ S. B.T.
- A pine, 10 ins. in diam., bears S. 54° W., 20 lks dist., marked
 $\frac{1}{4}$ S. B.T.
- 77.37 Descend gently
Intersect the W. bdy at a point from which the cor. of Tps 22 and 23, N. R. 8. E. bears N. 0° ~~00'~~^{10' E}, 12.26 chns dist.

T. 22, N. R. 9, E

Chms Set a pine post, 3 ft. long, 4
 ins sq., 24 ins. in the ground,
 for closing cor. Tps. 22 and
 23. N, R, 9, E., marked
 T. 23. N. S. 31, on N
 T. 22. N. S. 6, on S
 C.C. R. 9, E on E faces, with
 6 grooves on N. E., and S. faces,
 from which

A pine, 12 ins in diam., bears
 N. $88\frac{1}{4}^{\circ}$ E., 13 lks dist., marked
 T. 23. N. R. 9. E. S. 31. B.T.

A pine, 16 ins. in diam., bears
 S. 18° E., 50 lks dist., marked
 T. 22. N. R. 9. E. S. 6. B.T.

Land, mountainous

Soil, 4" rate

Timber, pine

Mountainous and heavily
 timbered land. 77.37 chms

August 14th 1902

✓ I change old Con to refer
to Lps. 22+23 N.R.B.C
only

This township is broken and rough, and generally mountainous, with no fertile land.

There is no water on the township though it is covered by pine and cedar timber and the hill tops by a dense growth of small cedars and oak brush.

Francis B. Jacobs
U.S. Deputy Surveyor
October 10th 1902

Final Oath with
Cts. Tp. 23 N, R. 9 E.
For Table of closings see
following page.

Line Desc	True Bear	Distance	Latitude		Departure	
			Chs. N.	Chs. S.	Chs. E.	Chs. W.
West Bdy.	North	8.78	8.78			
"	20019' TT	40.30	40.30			.22
"	20026' W	39.46	39.46			.50
"	20010' E	40.20	40.20			.12
"	"	40.20	40.20			.12
"	"	40.20	40.20			.12
"	"	40.20	40.20			.11
"	"	40.20	40.20			.11
"	20015' E.	40.46	40.46			.17
"	2007' E	40.34	40.34			.16
"	20013' E	40.10	40.10			.15

BOOK 1449

38

"	20010' E	28.13	28.13			.08
N. Boundary	East	477.37				477.37
E. "	South	479.96		479.96		
S. "	West	477.68				477.68
Convergence						.51

Totals 478.77 479.96 479.13 477.68
 Diff. 479.96
 1.19 1.19 1.45

Error in Lat. 1.19.
 " " Dep. 1.49.
 Ip. 22 N. R. 9 E.

BOOK 1449

39

A P P R O V A L .

Office of the

United States Surveyor-General,

Phoenix, Arizona.

August 11, 1903.

The foregoing field notes of the sur-

vey of *East & North Boundaries*
*of T. 22 N., R. 9, East.*of the Gila and Salt River Base and Me-
ridian, in the Territory of Arizona.Executed by *Francis B. Jacobs*

United States Deputy Surveyor under his

contract No. 96, dated *June 20* 1902

having been critically examined, and

necessary corrections and explanations

made, the said field notes, and the sur-

veys they describe, are hereby approved

Hugh M. Price

U. S. Surveyor-General.