

Book "A"

East and North ...
... R. 31 E. ... S. 16 N.

1586

1586

BOOK 1586

4-671

FIELD NOTES
GENERAL LAND OFFICE.

1586

Copied by E. V. Oct. 12/03

Compared

true

That of courses & distances as
reported in ink by deputy was
furnished to Owen Oct 9-02
& checked JMB ~~and~~ Nov 17/02

1586

Title

BOOK 1586

Field Notes
of the survey of the
East and North Boundaries
of
Township No. 5 South of Range No. 30
East of the Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
John Nash
U. S. Deputy Surveyor
Under his contract No. 83.
Dated ~~Jan~~ May 23rd 1902

Survey commenced June 6th 1902
Survey completed June 8th 1902

Names and Duties of Assistants

John K Burnham Chairman
 Willard Preston Chairman
 John K Burnham Moundman
 Willard Preston Moundman
 Horace B Gardiner, Flagman.

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Index E. & N. bdy T. 5 S.
 R. 30 E.

East Bdry. Page 7
 North " " 17

We John K Burnham and Millard
 Preston do solemnly swear that we
 will well and faithfully execute the
 duties of chairmen; That we will
 level the chain on even or uneven
 ground and plumb the tally pins
 either by sticking or dropping the same;
 that we will report the true distances
 to all notable object and the true lengths
 of all lines that we assist in meas-
 uring, to the best of our skill and
 ability and in accordance with in-
 structions given us in the survey
 of the East and North Boundaries
 and retracements, ~~of Section 30~~
 of Township No 5 South of Range No. 30
 East of the Gila & Salt River Meridian
 in the Territory of Arizona

John K Burnham Chairman

Millard Preston Chairman

Subscribed and sworn to before me this
 the 5th day of June 1902 *John Nash*
 Notary Public

We John K Burnham and
 Millard Preston do solemnly swear
 that we will well and truly
 perform the duties of moundmen
 in the establishment of corners
 according to the instructions given
 us, to the best of our skill
 and ability in the survey of ^{lines}
 the east and North Boundaries,
 and retracements of Township
 No. 5 South of Range No. 30 East
 of the Gila and Salt River
 Base and Meridian in the
 Territory of Arizona

John K. Burnham Moundman
 Millard Preston Moundman

Subscribed and sworn to before me
 this 5th day of June 1902.

John Nash
 Notary Public

My commission expires July 3, 1904.

I Horace Gardner do solemnly swear that I will well and truly perform the duties of flagman according to instructions given us and to the best of our skill and ability, in the survey of the East and North Boundaries and Retracements of Township No. 5 South of Range No. 30 East of the Gila and Salt River Base and Meridian in the Territory of Arizona

Horace Gardner Flagman
Subscribed and Sworn to
before me this 5th day of
~~June~~ August 1902

John Wash
Notary Public

my commission expires

July 3, 1904.

East Bdy T. 5-S. R 30 E.

Chain Survey commenced June 6 1902, and executed with a Lueder & Co. light mountain transit No. 65-97. The horizontal limb having two double verniers placed opposite each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Tucson Arizona, found correct, and approved by the surveyor general for Arizona June 1902.

At a point one mile west of Township corner in
 Lat. $32^{\circ} 56' 32''$ ~~N~~^N Long. 109° _{S.M.T.}
 $11' 22''$ W. at $3^{\text{h}} 30^{\text{m}}$ A.M.,
 by my watch I observe
 Polaris at eastern elongation.

East body T. S. S. R. 30 E.

in accordance with the Manual of Instruction and mark a point on the line thus determined on a stake driven in the ground 3.00 chs W of my station.

June 6, 1902

June 6, 1902 at 7:10^{am} A.M.

l. m. t. I lay of azimuth of Polaris $1^{\circ}27'$ to the west and mark the true meridian thus determined on the stake

set June 6 1902. Mag. Var $12^{\circ}46'$

At 9^h 00^m A.M. I set off

$22^{\circ}37'$ N. on declination arc.

and $57^{\circ}04'$ on lat. arc and

find that the solar true meridian coincides with that established from Polaris
Mag. Var. $12^{\circ}46' E$

East
North boundary T. 5 S. R. 30 E.

- Chains I begin at the cor. to secs.
31 & 36 T. 5 S. R. 30 & 31 E. which
is a post in a mound
of stone fully described by
the surveyor general.
Thence I run W. bet. secs 31 & 36
over slope descending W.
- 8.18 Dry Gully bears W.
- 12.50 Ridge bears W.
- 17.50 Dry wash 50 lbs wide bears S.W.
Ascend slope.
- 28.75 Dry Gully bears S.W.
- 40.00 Set volcanic stone 14x8x6
9 in. in ground marked $\frac{1}{4}$ S.
on W. face for $\frac{1}{4}$ sec. cor. sec.
31 & 36 and raise a mound
of stone ~~3~~^{3 $\frac{1}{2}$} ft base 2 $\frac{1}{2}$ ft high
W. of cor. Pile impracticable
- 3
- 52.50 Top of mesa.
over level mesa

East boundary T. 5-S. R. 30 E.

chains

80.00 Set volcanic stone $18 \times 7 \times 5$
 12 in. in ground marked 1
 groove on S and 5 grooves on W
 faces for sec. cov. secs. 25, 30
 31 & 36 and raise a mound
 of stone 3 ft. base 3 ft. high W.
 of cov. Pits impracticable.
 Land rolling and level
 Soil poor stony 4th rate
 Scattering mesquite along washes.
 Some grass.

W. over mead bet. secs. 25 & 30

Var $12^{\circ} 46' E$

11.30 Road bears N.E. & S.W.

29.50 Dry gully 30 lbs wide bears S.W.

40.00 Set volcanic stone $14 \times 8 \times 8$
 10 in. in ground marked $\frac{1}{4} S$ on
 W. face for $\frac{1}{4}$ sec. cov. secs. 25 & 30
 and raise a mound of stone
 $2\frac{1}{2}$ ft base $2\frac{1}{2}$ ft high W. of cov.

East boundary T. 5-S, R. 30. E.

- 6 chains Pits impracticable
- 64.00 Steep narrow canyon bears W.
- 68.50 Brink of canyon 150 ft deep
- 70.00 Bottom of canyon 200 lbs wide
bears S. W.
- 76.00 Ascend side of canyon.
- 80.00 Set volcanic stone 14x10x6
9 in. in ground marked
2 grooves on S. and 4 on W.
faces for sec. cor. sec. 19. 24
25-430 and raise a mound
of stone 3 ft base 2½ ft high
W. of cor. Pits impracticable.
Land level and hilly.
Soil poor rocky 4th rate
Some mesquite in washes.
Some grass
- Slightly Mountainous 16 chains

East boundary T. 5-S. R. 30 E.

Chains N. bet. secs. 19 & 24

- 1.00 Edge of mesa.
- 12.50 Dry Gully bears S.W.
- 23.00 Dry Gully " " "
- 34.25 Dry Gully " " "
- 39.50 Dry Gully " " "
- 40.00 Set volcanic stone $14 \times 8 \times 6$
9 in. in ground marked $\frac{1}{4}$ S
on W. face for $\frac{1}{4}$ sec. cor. secs 19
& 24 and raise a mound
of stone 2 ft. base $2\frac{1}{2}$ ft. high
W. of cor. Pits impracticable
N. over rolling hills.
- 43.50 Leave gulch.
- 72.50 Dry wash 50 lbs wide br. S.W.
- 80.00 Set granite stone $13 \times 9 \times 5$
9 in. in ground marked 3
grooves on W. 3 on S. faces
at sec. cor. secs. 13, 18, 19 &
24. and raise a mound

East boundary T. 5 S. R. 30 E

Chains of stone 3 ft. base 2½ ft.
high. W. of cor. Pits
impracticable.

Sand. rolling.

Soil poor. stony.

Scattering mesquite along
washes. Some grass.

N. bet. sec. 13 & 18

- 5.00 Dry wash bears S.W.
- 6.50 Recross wash
- 24.50 Road bears W.E.
- 34.00 Dry wash 80 lks wide bears S.W.
- 40.00 Set granite stone 14x10x4
10 in. in ground marked
¼ S. on W. face. for ¼ sec. cor.
sec. 13 & 18 and raise ^{mound} marked
✓ 78 of stone 3 ft. base 1½ ft. high
W. of cor. Pits impracticable
W. over hills.
- 50.00 Top of hill

East boundary T. 5 S. R. 30 E.

Chains

- 69.00 Dry Gully 50 lbs wide bears S.W.
Ascend steep hill.
- 74.50 Top of hill
- 80.00 Set volcanic stone 24x10x6
15 in in ground marked 4
notches on S. and 2 on N.
faces for sec. cor. sec. 12, 13
7 & 18 and raise a mound
of stone 3 ft. base 2½ ft. high
W. of cor. Pits impracticable
Land hilly and rough
Soil poor rocky
No timber scattering brush.
Some grass.
- Very Mountainous 40 chains.

W. bet. sec. 7 & 12.
- 5.00 Dry Gully bears S.W.
Ascend hill
- 13.00 Old Road.
- 23.50 Top of hill
- 39.00 Bank of box canyon 100 lbs

East boundary T. 5-S. R. 3 & E

chains wide bears S.W.

40.00 Set porphyry stone 18x10x6
 12 in. in ground marked
 1/4 S on W. face for 1/4 sec. cor.
 ✓ sec. 74 ~~12~~¹² and raise a mound
 of stone 3 ft. base 2 1/2 ft high
 W. of cor. Pits impracticable

42.50 Top of N. side of canyon.
around slope

80.00 Set volcanic stone 14x12x5
 10 in. in ground marked
 5 grooves on S and 1 on N.
 faces for sec. cor. sec. 1. 6. 7
 & 12 and raise a mound
 of stone 3 ft base 2 1/2 ft high
 W. of cor. Pits impracticable
 Sand hilly and rough.
 Soil poor rocky
 No timber, some grass.

Very Mountainous 80 chains.

East boundary T. 5 S. R. 30 E.

Chains W. bet. sec. 1 & 6

20.00 Edge of mesa

W. over mesa.

40.00 Set volcanic stone 24x10x5 in

15 in in ground marked $\frac{3}{4}$ S

on W. face for $\frac{3}{4}$ sec. cor. sec

146. and raise a mound

of stone 2 $\frac{1}{2}$ ft base 2 $\frac{1}{2}$ ft. high

W. of cor. Piti impracticable

W. over mesa.

80.00 Set volcanic stone 16x12x4

12 in in ground marked 6

notches ^{edge} grooves on each face for T_p.

cor. T_ps. 4 & 5 S. R. 30 E and T_ps

4 & 5 S. R. 31 E and raise

a mound of stone 3 ft. base

3 ft. high S. of cor. Piti impra-

cticable. Sand rolling

Soil poor rocky. No timber

some grass. June 6 1902

North boundary T. 5. S. R. 30. E.

Chains From Tp cor. Tps 44 & 5 S R 30 & 31
 E I run W. on railroad line
 setting temp. sec. 2 & 3 sec. cor.
 at intervals of 40.00 chains
 and at 239.24 chs intersect
 surveyed portion of Tp. 4 S. R. 30
 E. 189 lbs W. of cor. corner
 has been obliterated but
 reestablished by retrac-
 ments as per notes.

Set granite stone 20 x 10 x 5-
 in mound of stone
 marked C.C. and 3 grooves
 on E. face for closing
 corner as per instructions
 in mound of stone
 3 ft base 3 ft high as
~~cut to sec~~ closing cor to
 sec. 3³⁴ on Tp bdy. Pits in place
 E. on true line. bet. sec. 2 & 34

North boundary T. S. S. R. 30. E

Chains

1.15

Dry Gully bears S.W.

15.00

Ridge " " "

Descend into canyon bears S

32.00

Bottom of canyon 50 lbs wide
ascend mountain side

39.24

Set granite stone 30x10x8
in ground of stone 3ft base
3ft high marked $\frac{1}{4}$ S on W
face for $\frac{1}{4}$ Sec. cor. sec 34 & 34
Pike impracticable.

ascend mountain side

54.00

Top of red ridge bears S.

~~77.24~~

Descend to corner.

79.24

Set granite stone 24x10x8-
14 in. in ground marked
2 grooves on E and 4 on
W. faces for sec. cor. to sec
2 & 3. 34 & 35 raise a mound
of stone 3ft high 3ft base
W. of cor. Pike impracticable.

North boundary T. 3-S. R. 30 E.

Chains Land very broken
 Soil poor, stony.
 Scattering oak and mesquite
 brush. some grass.

Very Mountainous 79.24 chs.
 E. on true line bet. secs.
 2935-

- 1.00 Dry Gully bears S.
 3.00 Ridge bears S.
 8.5-0 Dry Gulch 50 chs wide bears S
 15.00 Point of ridge.
 19.5-0 Dry Gulch 30 chs wide bears S.W.
 33.5-0 Ridge bears S.W.
 Descend to cor.
 40.00 Set volcanic stone 14 x 7 x 5-
 9 in. in ground marked
 45 on W face for $\frac{1}{4}$ sec. cor.
 sec. 2935 and raise a mound
 of stone 2 $\frac{1}{2}$ ft base 2 $\frac{1}{2}$ ft high
 N
 # of cor. Piti impracticable

North boundary T. 5 S. R. 30 E.

E. over rolling hills

43.50 Dry Gulch 50 lbs wide bears S.W.

50.00 Ridge bears S.W.

Descend into canyon

69.00 Bottom of canyon 50 lbs wide
bears S.W.

Ascend to cov.

80.00 Set volcanic stone 16x9x4
10 in. in ground marked
1 groove on E and 5 on W faces
for sec. cov. to sec. 1. 2. 3. 4. 5. 6
raise mound of stone ~~3~~ 3 ft.

W base 3 ft high N. of cov.

Pth. impracticable

Land broken

Soil poor. strong 4th rate

No timber scattering greasewood.

Very Mountainous 80. chs.

North boundary T. 5 - S. R. 30 E.

Chains E. over rolling hills, bet. 1936

2.50 Ridge bears S. W.

20.25 Dry Gully bears S W

22.75 Dry Gully " " "

32.50 Ridge bears S. W. 18x10x5-

40.00 Set volcanic stone, marked
 $\frac{1}{4}$ S on W. face in mound
 of stone 3ft base 3ft high
 for $\frac{1}{4}$ Sec. cor sec 1936

Ride impracticable.

Descend into canyon.

50.00 Dry Gully bears S.

57.00 Point of ridge

55.50 Bottom of canyon 75-cks wide
 bears S. W.

Ascend side of canyon

✓ 69.00 Edge of mesa.

80.00 At Tp corner.

Land hilly broken.

Soil, poor, stony, 4th rate.

No timber scattering greasewood
some grass.

Very Mountainous 80. chains.

			M	S	2	N
1 st Stand Per. West.	480.84					480.84
W. bdy T. 5. S. R. 30 E	N. 480.00	480				
N. bdy Sec. 5. S. 6. E. 89° 39' E	239.90		1.84	239.90		
W. bdy Sec. 12. S. 3 E	E. 239.24			239.24		
E. bdy T. 5. S. R. 31 E	480.01		780.			
			480.	480.84	479.14	480.84
Convergence.				48		
			480		479.62	48.084
			80			479.62
Error in lat.			0.84			<u>1.12</u>
						Error in def.

This table is error
See page 29.

The east boundary runs on the south over mesas and deep washes, ^{on} the south over rolling hills and canyons. The north boundary runs through rolling hills and mountains. There is no timber of any size, some mesquite brush along the canyons and washes.

There has been good grass over all the lines but because of drouth very little at present.

John Wash
U. S. Deputy Surveyor.

List of Names.

A list of the names of the individuals employed by John Nash U.S. deputy surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing fieldnotes of the survey of the east and north boundaries and retracement lines of Township No. 5 South of Range No. 30 East of the Gila and Salt River Base and Meridian in the Territory of Arizona

John K. Burnham Chairman.

Millard Pustow Chairman

John K. Burnham Morsudman

Millard Pustow Morsudman

Horace Gardner Flagman.

Final oath

We hereby certify that we assisted John Wash U. S. deputy surveyor in surveying all those parts or portions of the east and north boundaries ^{and detachment lines} of Township No. 5 South of Range No. 30 East of the Gila and Salt River Base and Meridian in the Territory of Arizona which are represented and 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} ~~ability~~ well and faithfully surveyed and the corner monuments established according to the instructions furnished by the U. S. surveyor general for Arizona.

John P. Burnham, Chairman,
Willard Preston, ^{2^d} Woundman,
Chairman,
^{3^d} Woundman,
Horace Gardner, Flagman.

Subscribed and sworn to before
me this 7th day of August 1902
John Wash
Notary Public.

my commission expires July 3 1904.

I John Wash U.S. deputy surveyor do solemnly that in pursuance of a contract received from George Christ U.S. surveyor general for Arizona bearing the date of May 23 1901. I have well and and faithfully, in my own proper person, and in strict conformity with the instructions furnished by the U. S. surveyor general for Arizona, the Manual of Surveying instructions, and the laws of the U. S. surveyed all those parts or portions of the east and north boundaries and retracement lines of Township No. 5-South of Range No. 30 East of the Gila and Salt River 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 direction; and I do further solemnly swear that all corners of said surveys have been established and perpetuated in strict accordance with the Manual of Surveying, Instructions, and the special instructions of the U. S. surveyor general for Arizona and in the specific manners described in the field notes and that the field notes are the original field notes of such survey; and should any fraud be detected I will suffer ~~for~~ the penalty of perjury

under the provisions of an
act of Congress approved
August 8th 1846

John Nash
U.S. Deputy Surveyor

Subscribed and sworn to before me
this 9th day of August, 1902

Wm A Moody
Judge of the Probate Court
of Graham County, Arizona



Latitudes, Departures and closing errors.

	Latitudes		Departures	
	N.	S.	E.	W.
	chs	chs	chs	chs.
Line Designated bearing				
5 th G. mer. E	N	480	480	
W. body	East	80	80	
N. body	S 89° 19' E	79.90	79.90	
"	S 89° 19' E	80.00	80.00	
"	N	1.89	239.24	
"	E	239.24		
closing dist	S	480		480
N. body	W.			
E. Body				
1 st Strand, Par.				
S Body				
Convergences				
Topald				
	481.89	481.90	479.62	480
	481.89	481.89		479.62
		.01'		.38'

Error in lat. Error in Departure