

Exterior
BOOK "AV"

2575

FIELD NOTES

OF THE SURVEY OF THE BOOK 2575

East and North Boundaries of Tp 31N.
R 17 E.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Van L. White, ~~U.S. Assistant~~ United States Deputy Surveyor,

Special Instructor from the Commissioner of the General Land Office

Under ~~his Contract No.~~, dated Oct 2nd 1907 and May 15th, 1908

Survey commenced April 11th, 1911

Survey completed April 12th, 1911

NAMES AND DUTIES OF ASSISTANTS.

T. Y. White	Chairman
Richard L. Shumway	Chairman
George B. Seig	Moundman
Herbert Yestewa	Moundman
Nelson Polacca	Axman
Earl Albright	Axman
William R. Carson	Flagman

BOOK 2575

Book No. 2575

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, T. Y. White and Richard L. Shumway
do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 distances 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 East and North Bdrays Tp 31 N. R. 17 E. of the G. & S. R. Base & Meridian, Arizona.

T. Y. White, Chainman.
Richard L. Shumway, Chainman.

Subscribed and sworn to before me this 24th
day of March, 1911



Van L. White
U.S. Transitman

WE, George B. Seig and Herbert Yestewa
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 East and North Bdrays of Tp 31 N. R. 17 E. of the G. & S. R. Base & Meridian, Arizona.

George B. Seig, Moundman.
Herbert Yestewa, Moundman.

Subscribed and sworn to before me this 24th
day of March, 1911



Van L. White
U.S. Transitman

WE, Nelson Polacca and Carl Albright
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of East and North Bdrays of Tp 31 N. R. 17 E. of the G. & S. R. Base & Meridian, Arizona.

Nelson Polacca, Axman.
Carl Albright, Axman.

Subscribed and sworn to before me this 24th
day of March, 1911



Van L. White
U.S. Transitman

I, William R. Carson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of East and North Bdrays of Tp 31 N. R. 17 E. of the G. & S. R. Base & Meridian, Arizona.

William R. Carson, Flagman.

Subscribed and sworn to before me this 24th
day of March, 1911



Van L. White
U.S. Transitman

Survey commenced April 11, 1911 and executed with a W. & L. E. Gurley engineers transit No. 76, with a Bush Solar attachment. The horizontal limb is provided with one double vernier, reading to single minutes of arc. The numbers of the latitude and declination arcs read to 0'30" of arc.

I examined the adjustments of the transit and find them correct, and know from recent test of the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris that the instrument is in satisfactory adjustment.

I begin at the cor. of Twp. 30 and 31 N., R. 17 and 18 E., ^{established by Sidney E. Blount, March 9, 1909,} which is an iron post 3 ins. in diam., 12 ins. above ground, firmly set marked on brass cap. T 31 N. in N. half, T 30 N. in S. half, R 17 E S 36, in NW, R 18 E S 31 in N.E., R 18 E S 6 in S.E. and R 17 E S 1 in SW. quadrant, with a mound of stone 2 ft. base, 1 1/2 ft. high. S. of cor., Latitude 36° 01' 54" N., Longitude 110° 27' 58" W.

April 11, 1911, at 9^h 01^m a.m. l.m.t. set off 36° 02' N. on the lat. arc, 8° 05' N. on the decl. arc, and determine a meridian with the solar at the above described cor., thence I run,

North, Twp. Secs. 31 and 36,

Descend NW. slope over rolling sandy land through scattering sage brush undergrowth.

25.00 Post of gradual descent, leave rolling land bear N 30° E and S 30° W. enter level land.

29.25 Old road bears NE. and SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam 26 ins. in the ground for 1/4 sec. cor. marked on brass cap. 1/4 S 36 on W. half and S 31 on E. half.

Dig pits 18x18x12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 1/2 ft. dia., 1 1/2 ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of sec. 25, 30, 31 and 36 marked on brass cap. T 31 N. in N. half, T 17 E. S. 25 in NW., R 18 E S 30 in N.E., S 31 in S.E. and S 36 in SW. quadrant. Dig pit, 18x18x12 ins. in

East boundary of Tp 31 N, R 17 E

each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.
 Level level and rolling
 Soil sandy 2nd and 3rd rate.
 No timber

- North, 1/4 sec. 25 and 30,
 Over level sandy bottom land. through sage brush undergrowth and bunch grass.
- 1.46 Left bank of the Craibi Wash. 10 ft. high. bears $N60^{\circ}E$ and $S60^{\circ}W$.
- 2.00 Center of dry bed of wash course $S60^{\circ}W$.
- 2.50 Right bank of the Craibi Wash. 10 ft. high bears $N60^{\circ}E$ and $S60^{\circ}W$. Enter cultivated land bears $N60^{\circ}E$ 15.00 chs. and $S60^{\circ}W$ 25 chs.
- 10.75 Land cultivated land. bears $N50^{\circ}E$ 20.00 chs. and $S50^{\circ}W$ 25 chs. dist. Enter sage brush undergrowth
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground, for 1/4 sec. cor., marked on brass cap. $N45^{\circ}W$ 25 on W. half and $S30^{\circ}W$ on E half.
 Dig pits $18 \times 18 \times 12$ ins. N and S. of post 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of cor.
- 44.40 Road, from Craibi Ariz bears $N30^{\circ}E$ and $S30^{\circ}W$
- 50.00 Level land bears $N50^{\circ}E$ and $S50^{\circ}W$. Enter rolling land. Ascend S.E. slope.
- 66.00 Top of stony bridge bears E and W. desc.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground. for cor. of sec. 19, 24, 25 and 30. marked on brass cap $T31N$ in N. half. $R17E$ $S24$ in NW. $R18E$ $S19$ in NE. $S30$ in SE and $S25$ in SW. quadrants.
- 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.
 Land level and rolling.
 Soil sandy and stony 2nd and 3rd rate.
 No timber

North, 1/4 sec. 19 and 24,
 Descend N.E. slope over rolling sandy and stony land

East boundary of Tp 31 N., R 17 E

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chains

- 2.00 through sage brush undergrowth and bunch grass
North of descent in depression, bears N.W. and S.E.
chains to the S.E. asc. S.E. slope.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam 26 ins.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass
cap. $S 24$ on W. half and $S 19$ on E half.
Dig pits $18 \times 18 \times 12$ ins. N and S. of post 3 ft. dia.
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high. W. of cor.
- NOTE: At this cor. I set off $8^{\circ} 08'$ N. on the decl. arc and
at noon observed the sun on the meridian, and
obtain a reading of $36^{\circ} 04'$ N. on the lab. arc.
- 80.00 Set an iron post 3 ft. long 3 ins. in diam 24 ins.
in the ground for cor. of secs. 13, 18, 19 and 24
marked on brass cap T 31 N. in N. half. R
17 E S 13 in N.W., R 18 E S 18 in N.E., S 19 in S.E. and
S 24 in S.W. quadrants.
Dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dia.
and raise a mound of earth 4 ft. base. 2 ft.
high. W. of cor.
Land rolling.
Soil sandy & rate.
No timber.

- North, 1/4 sec. 13 and 18,
Ascend South slope over rolling sandy land through
sage brush undergrowth and bunch grass.
- 37.00 Top of ridge bears E and W. desc.
- 38.00 Enter scattering cedar timber bears E and W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam, 26 ins.
in the ground, for $\frac{1}{4}$ sec. cor. marked ^{on brass cap} $S 18$
on W. half and $S 18$ on E. half, from which
A cedar 14 ins. in diam bears $S 17\frac{1}{2}^{\circ} E 203$ lbs.
dia. marked $\frac{1}{4} S 18 B.T.$
A cedar 10 ins. in diam bears $S 61^{\circ} W 81$ lbs. dia.
marked $\frac{1}{4} S 13 B.T.$
- 42.65 North of descent in depression 10 ft. below $\frac{1}{4}$ sec.
cor. bears $N 50^{\circ} E$ and $S 50^{\circ} W$ ^{drains N.E.} asc. over hilly land
- 48.00 Top of spur bears N.E. and S.W. desc.
- 62.30 Depression 10 lbs. wide course S.E. asc.

East boundary of T₃₁ N. R. 17 E

72.00 Top of sand ridge bears N.W. and S.E. dead
 80.00 Set an iron post 3 ft. long, 3 ins. in diam 24 ins. in the ground for cor. of sec. 7, 12, 13, and 18 marked out bears cap T₃₁ N. in N. half, R. 17 E S12 in N.W., R18 E S7 in N.E., S18 in S.E. and S13 in S.W. quadrant from which.
 A cedar 10 ins. in diam. bears N 34 1/2° E 140 lbs. dist. marked T₃₁ N. R. 18 E. S7 B.T. No other trees in limits. Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
 Land rolling and hilly.
 Soil sandy 3rd rate.
 Timber scattered cedar

North, bet. sec. 7 and 12,
 descend N.E. slope over hilly sandy land, through scattering cedar timber and sage brush undergrowth
 24.35 Dry ravine 25 lbs. wide course S 60° E and
 40.00 Set an iron post 3 ft. long 1 in in diam. 26 ins. in the ground for 1/4 sec. cor. marked out bears cap. 1/4 S12 on W. half. and S7 on E. half. from which
 A cedar 6 ins. in diam. bears N 33 1/2° E 85 lbs. dist. marked 1/4 S7 B.T.
 A cedar 14 ins. in diam. bears S 48 3/4° W 74 lbs. dist. marked 1/4 S12 B.T.
 40.20 Top of ridge bears N 65° E and S 65° W. dead.
 55.00 Logs timber bears E and W.
 76.60 Dry ravine course E and
 80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of sec. 1, 6, 7 and 12 marked out bears cap T₃₁ N. in N. half, R. 17 E S1 in N.W., R18 E S6 in N.E. S7 in S.E. and S12 in S.W. quadrant
 Raise a mound of stone 2 ft base 1 1/2 ft high. W. of cor. Pits impracticable
 Land hilly.
 Soil sandy 3rd rate
 Timber, Scattering cedar

X

- North, br. Secs. 1 and 6,
 Circum. Slope of ridge over hilly sandy land,
 through sage and greasewood bush undergrowth
 and bunch grass
- 1.00 Top of sand ridge 10 ft above cor. bears E and W.
 also
- 4.75 Dry sand wash 15 lks. wide, 5 ft. deep course
 S70°E acc.
- 36.00 Top of sand ridge bears N50°E and S50°W decd.
 40.00 Set an iron post 3 ft. long 1 in in diam. 26
 ins. in the ground for cor. marked
 on base cap 1/4 S 10 W W. half. and S 60 E half.
 Dig pits 18 X 18 X 12 ins. N and S. of post 3 ft. dia.
 and raise a mound of earth 3 1/2 ft. base, 1 1/2
 ft. high. W. of cor
- 47.65 Dry ravine 15 lks. wide 10 ft. deep. Course S 60°E acc
- 58.00 Enter scattering cedar timber bears E and W. on
 top of recent old sand ridge bears E and W. decd.
- 59.80 Dry ravine course E acc.
- 62.00 Top of sand ridge bears E and W. decd.
- 79.00 Dry ravine course S 40°E acc. gradually.
- 80.00 Set an iron post 3 ft. long. 3/4 in in diam. 24
 ins. in the ground for cor. of T₃₁N. and S₃₂W.
 N. R₁₇E and R₁₈E, marked on base cap T₃₂N.
 on N. half, T₃₁N. on S. half., R₁₇E S 36 in
 NW. R₁₈E S 31 in NE., R₁₈E S 6 in SE. and
 R₁₇E S 1 in SW. quadrants. from which
 A cedar 24 ins. in diam. bears N75°E 385 lks. dist.
 marked T₃₂N. R₁₈E S 31 B.T.
 A cedar 7 ins. in diam. bears S 9°E 445 lks. dist.
 marked T₃₁N. R₁₈E S 6 B.T.
 A cedar 18 ins. in diam. bears S 39 1/2° W 97 lks.
 dist. marked T₃₁N. R₁₇E S 1 B.T. and
 A cedar 24 ins. in diam. bears N 37° W 237 lks. dist.
 marked T₃₂N. R₁₇E S 36 B.T.
- Land hilly.
 Soil sandy 3rd rate.
 Timber cedar

April 11th 1911.

North boundary of Tps 31 N, R 17 E

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April 12th 1911: Ab. 7^h 01^m a.m. I. m. C. D. set off
 $36^{\circ}07'N$. on the lat. arc. $8^{\circ}26\frac{1}{2}'N$. on the decl. arc
 and determine a meridian with the solar at the
 cor. of Tps. 31 and 32. N, R's 17 and 18 E. which I
 established April 11th 1911, ^{as here before described,} "true" run,
 $S89^{\circ}58'W$. on a random line, along the N. bdy of
 Tps 31 N, R 17 E., setting temp $\frac{1}{4}$ sec. and sec. rods at
 intervals of 40.00 lks.; and at 478.98 lks. intersect
 the 4th Guide meridian East. at the cor. of Tps.
 31 and 32. N., R's 16 and 17 E. which I established
 Mar. 25th 1911. as ^{described in Standard Book "U,"} "true" run,
 $N89^{\circ}58'E$, beh. sec 6 and 31, marking and blazing
 the true line,

Across N.W. slope over hilly sandy land, through
 scattering cedar and pinon pine timber and
 sage brush undergrowth.

33.00 Top of ridge bears N.E. and S.W. desc.

38.98 Saw an iron post 3 ft. long. 1 in. in diam. 26 ins.
 in the ground for sec. cor. marked on base
 Cop. $\frac{1}{4}$ S 31 on N. half and S 6 on S. half
 from which.

A pinon pine 8 ins. in diam. bears $N34^{\circ}W$ 82
 lks. dist. marked $\frac{1}{4}$ S 31 B.T.

A cedar 6 ins. in diam bears $S4\frac{1}{2}^{\circ}E$ 106 lks. dist.
 marked $\frac{1}{4}$ S 6 B.T.

62.00 Dry sand wash 8 lks. wide, banks 2 ft. high.
 Crossed South arc gradually

78.98 Saw an iron post 3 ft. long 5 ins. in diam. 24 ins.
 in the ground for cor. of sec. 5, 6, 31 and 32.
 marked on base Cop. R 17 E in E half. T 32 N.
 S 32 in N.E. T 31 N. S 5 in S.E. S 6 in S.W. and
 S 31 in N.W. quadrant. from which.

A pinon pine 10 ins. in diam bears $N80\frac{3}{4}^{\circ}E$ 167 lks.
 dist. marked T 32 N, R 17 E S 32 B.T.

A cedar 10 ins. in diam. bears $S72^{\circ}E$ 94 lks.
 dist. marked T 31 N, R 17 E S 5 B.T.

A cedar 8 ins. in diam. bears $S84\frac{1}{2}^{\circ}W$ 120 lks.
 dist. marked T 31 N, R 17 E S 6 B.T. and

A pinon pine 12 ins. in diam. bears $N55\frac{3}{4}^{\circ}W$ 144
 lks. dist. marked T 32 N, R 17 E. S 31 B.T.

Level hilly and rolling.

Soil sandy 3rd rate.

North boundary of $N\frac{1}{2}$ 31 T11R17E

Alcain

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Timber pinion pine and cedar.

NOTE: At this cor. set off $8^{\circ}29\frac{1}{2}'$ N. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $36^{\circ}07'$ N. on the lat. arc.

$N. 89^{\circ}58' E.$, Twp. Secs. 5 and 32,
Ascend W. slope over hilly sandy land, through scattering pinion pine and cedar timber, and sage brush undergrowth and bunch grass

- 11.30 Top of sand ridge 30 ft. above sec. cor. bears N. and S. decl.
- 29.00 Legro timber bears $N 30^{\circ} E$ and $S 30^{\circ} W$.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 145.32 on N. half and S. 5 on S. half.
Dig pits 18x18x12 ins. E and W. of post 3 ft. deep and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
- 65.35 Dry sand wash 30 lbs. wide 5 ft. deep course $S 25^{\circ} E$ acc.
- 80.00 Set an iron post 3 ft. long 3/4 in. in diam 24 ins. in the ground, for cor. of sec. 4, 5, 32 and 33 marked on brass cap $N 17^{\circ} E$ in E half, $T 32 N, S 33$ in NE, $T 31 N, S 4$ in SE., $S 5$ in SW. and $S 32$ in NW. quadrant.
Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. deep and raise a mound of earth 4 ft. base, 2 ft. high.
W. of cor.
Land hilly.
Soil sandy 3rd rate.
Timber pinion pine and cedar

$N. 89^{\circ}58' E.$, Twp. Secs. 4 and 33,
Ascend S.W. slope of ridge over hilly sandy land, through scattering sage and greasewood brush undergrowth and bunch grass

- .25 Top of sand ridge bears $N 40^{\circ} E$ and $S 40^{\circ} W$. decl gradually over rolling land.
- 40.00 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the ground for 1/4 sec. cor. marked on brass cap.

North boundary of T₃₁N, R₁₇E

8

Chain

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- 1/4 S 33 on N. half and S 4 on S. half.
Dig pits 18x18x12 ins. E and W. of post 3 ft. dist.
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft.
high. N. of cor.
- 47.00 Moor of desert. Level rolling land toward N and S.
Enter level land.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 2 1/2 ins.
in the ground for cor. of sec. 3, 4, 33 and 34
marked on base cap R17E in E. half., T32N, S34
in N.E. T31N, S3 in S.E. S4 in S.W. and S33 in
N.W. quadrant
Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and
raise a mound of earth 4 ft. base, 2 ft. high. W.
of cor.
Land level and rolling
Soil sandy 2nd and 3rd rate
No timber
-
- N. 89° 58' E., 1/4 sec. 3 and 34,
Over level sandy land. through scattering sage
and greasewood bush undergrowth.
- 1.20 Right bank of the De Nebito Wash. 10 ft. high. base
N 20° E and S 20° W.
- 1.70 Center of dry bed of wash course S 20° W
- 2.15 Left bank of the De Nebito Wash. 10 ft. high base
N 20° E and S 20° W. thence over level land.
- 24.00 Level level land toward N and S. Enter rolling land
ascend gradually over W. slope
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
in the ground for 1/4 sec. cor. marked on base
cap 1/4 S 34 on N. half and S 30 on S. half.
From which
A cedar 8 ins. in diam. base N 78 1/2° E 186 lbs.
dist. marked 1/4 S 34 B.T.
A cedar 8 ins. in diam. base S 76 1/4° E 337 lbs.
dist. marked 1/4 S 3 B.T.
- 52.00 Enter cedar timber toward N and S.
- 80.00 Set an iron post 3 ft. long 3 ins. in diam. 2 1/2 ins.
in the ground for cor. of sec. 2, 3, 34 and 35 -
marked on base cap R17E in E. half., T32N,
S35 in N.E. T31N, S2 in S.E. S3 in S.W. and S34 in

in N.W. quadrant.

No trees suitable for bearing trees within limits
Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and
raise a mound of earth, 4 ft. base, 2 ft. high.
W of cor.

Land level and rolling.

Soil sandy 2nd and 3rd rate

Timber Cedar

N. 89° 58' E., Sec. 2 and 35,

Around W slope over rolling sandy land, through
scattering cedar timber and sage brush undergrowth

20.00 Leave timber line N. and S.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
in the ground, for 1/4 sec. cor. marked on brass cap.
4 S 3/5 on N. half and S 2 on S. half; from which.

A lone cedar 10 ins. in diam. bears N 35 1/2° E 259
lbs. dia. marked 4 S 35 B.T. No other trees in limits
Dig pits 18x18x12 ins. E and W. of post 3 ft. dia.
and raise a mound of earth 3 1/2 ft. base, 1 1/2
ft. high. N. of cor.

57.00 Enter scattering cedar and pinon pine timber
line N and S.

72.85 An Indian Hogan bears North 260 lbs. dia.

77.00 Top of stony ridge bears N. and S. end.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins.
in the ground for cor. of Sec. 1, 2, 35 and 36
marked on brass cap T 32 N, R 17 E in E half. T 32 N,
S 36 in NE, T 31 N, S 1 in SE. S 2 in SW. and S
35 in NW. quadrant. from which.

A cedar 16 ins. in diam. bears N 44 1/4° E 120 lbs. dia.
marked T 32 N, R 17 E S 36 B.T.

A cedar 12 ins. in diam. bears S 59 1/2° W 129 lbs.
dia. marked T 31 N, R 17 E S 2 B.T. and

A cedar 14 ins. in diam. bears N 57 3/4° W 161
lbs. dia. marked T 32 N, R 17 E, S 35 B.T.

No other trees available

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia.
and raise a mound of earth 4 ft. base, 2 ft. high.
W of cor.

Land rolling

North boundary of T₃₁ N. R₁₇ E

Chains

BOOK 2575

Soil sandy 3rd rate
Timber fir, spruce and cedar

N. 89° 58' E., 1/4 sec. 1 and 36,
Descent E. slope on rolling sandy land through
scattering cedar and spruce pine timber and sage
brush undergrowth and bunchgrass.

- 7.50 Old road bears N and S.
- 18.70 Foot of descent in depression bears N and S. drains
to the north ascends gradually.
- 38.00 Top of divide between the Oraibi and De Nebeto Washes.
bears N 60° E and S 60° W. desc. gradually.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam 26
ins. in the ground for 1/4 sec. cor. marked on base
cap 1/4 S 36 on N. half and S 1 on S. half, from which
A cedar 7 ins. in diam bears N 35 1/4° W 245 lbs.
dist. marked 1/4 S 36 B.T.
A cedar 22 ins. in diam bears N 2° E 442 lbs. dist.
marked 1/4 S 36 B.T.
- 80.00 Intersect the cor. of T₃₁ and 32 N., R₁₇ and 18
E., heretofore described.
Land rolling.
Soil sandy 3rd rate.
Timber cedar and spruce pine

April 12th 1911.

Boundaries of T₃₁ N. R₁₇ E. Latitudes Departures and Closing Errors

Line Designated	TRUE Bearing	Distance	Latitudes		Departures	
			N	S	E	W
South Boundary	S 89° 58' W	479.34		.28		479.34
4 th Guide Meridian	East North	480.00	480.00			
North Boundary	N 89° 58' E	478.98	.28		478.98	
East Boundary	South	480.00		480.00		
Convergency					.52	
TOTALS			480.28	480.28	479.50	479.34
			480.28		479.34	
	Error in Lat.		0.00			
				Error in Dep.	0.16	

General Description

This township is broken and hilly in the eastern part rolling in the interior and nearly level in the Northwestern part., while prairie land is found over the greater portion of the township. The township is poorly watered and the timber which consists principally of. pine and cedar and is found in the N.E. and Central part is too small to be of commercial value. The soil along the De Veto and Craibi Washes is a sandy loam generally second rate and produces an abundant growth of nutritious grasses, and will produce corn without the aid of irrigation. The township should be subdivided.

April 12th 1912.

Van L. White
U.S. Geologist

LIST OF NAMES.

A list of the names of the individuals employed by Van L. White

U.S. Transitman, ~~United States Deputy Surveyor~~, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of East and North Rdrays of Tp 31 N R 17 E. of the G. & S. R. Base & Meridian, Arizona. showing the respective capacities in which they acted:

- T. Y. White, Chairman.
- Richard L. Shumway, Chairman.
- George B. Seig, Moundman.
- Herbert Yestema, Moundman.
- Nelson Polacca, Axman.
- Earl Albright, Axman.
- William R. Carson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Van L. White

U.S. Transitman, ~~United States Deputy Surveyor~~, in surveying all those parts or portions of the East and North Rdrays of Tp 31 N R. 17 E.

of the Sila and Salt River Basins Meridian, Territory of Arizona, which are 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, well and faithfully ^{executed} surveyed, and the corner monuments established, according to the instructions furnished by the ~~United States Surveyor~~

~~General for~~ Commissioner of the General Land Office

- T. Y. White, Chairman.
- Richard L. Shumway, Chairman.
- George B. Seig, Moundman.
- Herbert Yestema, Moundman.
- Nelson Polacca, Axman.
- Earl Albright, Axman.
- William R. Carson, Flagman.

Subscribed and sworn to before me this 15th day of May, 19 11

Van L. White
U.S. Transitman



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BOOK 2575

TRANSITMAN
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR:

I, Van L. White, ^{Transitman} United States Deputy Surveyor, do solemnly swear that, in pursuance of ^{Special Instructions} ~~a contract~~ received from the Commissioner of the General Land Office, bearing date of the 2nd day of Oct 1907 ~~day of~~ and the 15th day of May, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ^{Commissioner} ~~United States Surveyor~~ of the ~~General~~ Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the East and North boundaries of Township No. 31 North of Range No. 17 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 the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the ^{Commissioner} ~~United States Surveyor~~ of the ~~General~~ Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Van L. White
~~United States Deputy Surveyor~~
Transitman

Subscribed by said Van L. White, and sworn to before me }
this 27th day of December, 1912.



Lytton R. Taylor
U.S. Commissioner
for New Mexico

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, APR 25, 1914

The foregoing field notes of the survey of the

East and North boundaries of

Township No 31 North, Range No 17 East of the
Gila and Salt River Base and Meridian, Arizona

executed by VAN L. WHITE, U.S. Transitman, under Special Instructions from
~~executed by~~ the Commissioner of the General Land Office
~~under his contract No.~~ October 2, 1907 and May 15, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
~~United States Surveyor General~~
SURVEYOR-GENERAL OF ARIZONA

~~I certify that the foregoing transcript of the field notes of the above-described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

~~United States Surveyor General.~~