RESURVEY & RETRACEMENT

S. & E. Bdys.

T. 18 N. R. 6 E.

Book G.

BOOK 1420

1420

4-671

FIELD NOTES

GENERAL LAND OFFICE.

No. 1420

Notes copied by cmt 5/5/04

" compared by G.M.G. & C.M.T. 5/10/04

accounts checked by Grub & cmt 6/29/04

No. 1420

BOOK 1420

Field Notes
of the survey of the
South and East Boundaries
of
Tp. 18 N. of Range 6 E.
of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona
as surveyed by
W. Oscar Secor.
U.S. Deputy Surveyor.
Under his contract No 102
Dated June 30. 1902.

Survey commenced Oct. 14. 1902.
Survey completed Jan 2. 1904

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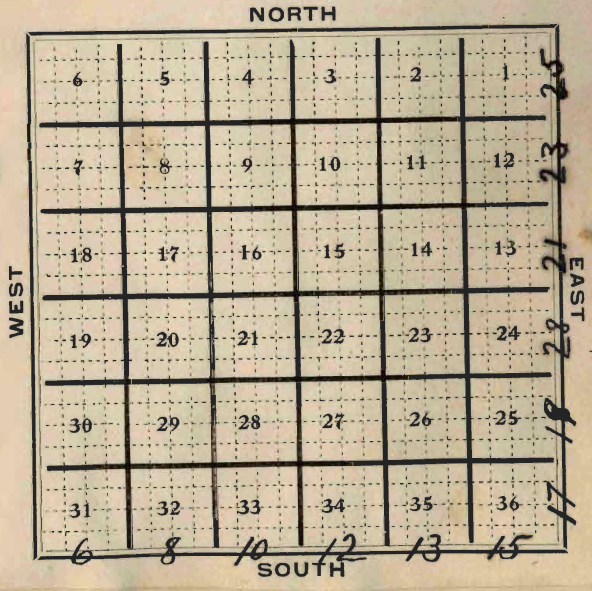
Names and Duties of Assistants.

A. G. Johnson	Chainman
J. M. Lockwood	~~Chainman~~ Rodman
Joel Anderson	Chainman
C. J. Schwartz	Axman
Norman Coote	Flagman
Hubert Harpham	Axman
H. K. Ward	Flagman

Township 18 N Range 6 E

County,



T19N R6E.

For preliminary oaths, prior to Jan. 1st
1904. See subs. T19N R6E: After Jan. 1st, 1904,
see subs. T.18N., R.6E.

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S. Bdy. T. 18 N. R. 6 E.

BOOK 1420

Survey commenced Oct. 14. 1902, and executed with a Buff and Berger transit No. 972 with Saegmuller Solar attachment, the horizontal limb of the transit having two double verniers placed opposite to each other and reading to 30" of arc.

The instrument was examined and approved by the Surveyor General at Phoenix, Arizona.

At my camp, which is near the cor. of secs. 7. 8. 17 and 18, Tp. 17 N. R. 6 E. in lat. 34° 52' N., at 5.51 P.M. I observed Polaris at eastern elongation, in accordance with instructions in the Manual, and marked the line thus determined by a cross on a stone set in the ground 5 chs. N. of my station

Oct. 14. 1902

Oct. 15. 1902: at 7-30 a.m. I lay off the azimuth

S. Bdy. T p. 18 N. R. 6 E.

of Polaris, 1°29' to the west, and mark the true meridian thus determined, by cutting a mark on a stone firmly set in the ground, west of the point established last night; the magnetic bearing of said true meridian is N. 14° 45' W., which reduced by the table on page 100 of the manual, gives the mean magnetic declination N. 14° 43' E.

At 8 a.m. l.m.t. I set off 34° 52' N. on the lat. arc; 8° 17' S. on the decl. arc, and determine a true meridian with the solar for the purpose of testing my solar apparatus by comparing its indications, resulting from solar observations made during a.m. and p.m. hours with a true meridian determined by observations on Polaris. I find the meridian as determined by the solar falls .25 inch W. of the point determined by observation on Polaris.

3 p.m. l.m.t. I set off 8° 24' S. on the decl. arc; 34° 52' N. on the lat. arc;

S. Bdy. Tp. 18 N. R. 6 E.

and determine a true meridian with the solar, which coincides with the meridian established last night.

I therefore conclude the adjustments of my instrument are satisfactory.

Oct. 16. at 8 a.m. l.m.t. I set off 8° 39' S. on the decl. arc; 34° 54' N. on the lat. arc; and determine a true meridian with the solar at the cor. of Tps. 17 and 18 N. Rs. 5 and 6 E. previously described by me; thence I run

E. on S. bdy. sec. 31 T. 18 N. R. 6 E.
Over mountainous land, thro. dense growth timber

40.01 The 1/4. sec. cor., as described by the Surveyor General. The course and length of this half mile is E. 40.01 chs.

80.00 The cor. of secs. 31, 32, 5 and 6, which is a sandstone 12 x 6 x 2 ins. lying

on a small md. of stone,
I therefore re-establish as follows:
Set a sandstone 18×12×5 ins. in
a md. of stone 4 ft. base and 2 ft.
high for cor. of secs. 5. 6. 31 & 32.
marked with 1 notch on W. and 5
notches on E. edges from which
a piñon 7 ins. diam. bears S. 47° W.
50 lks. dist. marked T. 17 N R. 6 E. S6 B.T.
and raised a md. of stone 2 ft. high
and 3 ft. base W. of cor. No other
tree in distance. Pits impracticable
Land mountainous 80 chs.
Timber yew and piñon.
Soil 4th rate.

E. on S. bdy. sec. 32.

Ascending abruptly sandstone butte.

2.12 Top of butte, 300 ft. high, descend.

16.00 Bottom of gulch, course S. ascend precipitous sandstone butte.

36.00 Top of butte, descend abruptly.

40.00 An undersized stone lying loose on the ground marked 1/4, which I destroy and re-establish as follows: Set a sandstone 24x10x6 ins. in a md. of stone 3 ft. base, 2½ ft. high for 1/4 sec. cor. marked 1/4 on N. face from which

a yaw 10 ins. diam. bears N. 36° W. 40 lks. dist. marked 1/4 S. 32 B.T.

a yaw 9 ins. diam. bears S. 9° W. 34 lks. dist. marked 1/4 S. 5 B.T.

Descend.

52.15 Thompson's road bears N.E. & S.W.

80.00 The cor. of secs. 4, 5, 32 and 33 which is a stone 13x6x2 ins. lying in a bush. I re-establish as follows:

Set a sandstone 18x12x6 in a md. of stone, four ft. base, 2½ ft. high for cor. of secs. 4, 5, 32 and 33 with 2 notches on W. and 4 notches on E. edges from which a piñon 6 ins. diam. bears S. 51° 30' E. 63 lks. dist. marked "S. 17 N. R. 6 E. S. 4 B. T."

a piñon 6 ins. diam. bears S. 32° 30' W. 104 lks. dist. marked "S. 17 N. R. 6 E. S. 5 B. T."

a yew 5 ins. diam. bears N. 42° E. 95 lks. dist. marked "S. 18 N. R. 6 E. S 33 B. T."

a piñon 4 ins. diam. bears N. 30° W. 114 lks. dist. marked "S. 18 N. R. 6 E. S. 32 B. T."

Land mountainous 80 chs.

Timber yews & piñons 80 chs.

Soil rocky 4th rate.

E. bet. secs. 4 and 33

Descending over mountainous land
through dense brush.

1.00 Thompson's road bears N.E. and S.W.

7.60 Bottom of Wilson Cañon, course S.E.

Ascend abruptly.

11.00 Top of bluff, bears S.E. and N.W. continue to ascend.

21.30 Top of ridge, bet. Wilson Cañon and
Oak Creek. Descend

38.63 1/4 sec. cor., as described by the Surv. General bears N. 74 lks. which
makes the bearing of this half mile
N. 89° 47' E.
From this cor. I am able to see a
flag placed at the cor. of secs. 3. 4. 33.
and 34, which bears N. 74° 23' E. to
which I run. Descending abruptly.

~~51.50~~ 52.87 W. edge Oak creek 40 lks. wide, course S.

~~51.00~~ 53.37 Ascend abruptly.

~~63.00~~ 64.37 Top of bluff. E. side Oak Creek Cañon

7.4.86
~~63.49~~

Thn cor. of secs. 3. 4. 33 & 34 which is a + cross on a flat ledge of sandstone with md. of stone, which I renew as follows aftr rebuilding the md. of stone:
I mark a pinon 7 ins. diam. brs N. 14° E. 87 lks. dist. marked J. 18 N. R. 6 E. S. 34 B. T.
A pinon 10 ins. diam. brs N. 20° W. 59 lks. dist. marked J. 18 N. R. 6 E. S. 33 B. T.
Pits impracticable.
Land mountainous 63.49 chs.
Dense brush 63.49 chs.
Scattering yews & pinons with live oak, maple, Sycamore, walnut, ash, cottonwood in Oak Creek bottom.

From the cor. last described I run
N. 86° 12' E. to a flag placed at the cor.
of secs. 2. 3. 34 and 35.
Over mountainous land, ascending.
6.60 Top of ascent, descend steep slope
35.00 Bottom of rocky gulch course N. 60° W.
Ascend diagonally steep slope of mesa.
35.30 The 1/4 sec. cor. as described by the
Surveyor General.
79.35 The cor. of secs. 2. 3. 34 and 35 which stone.
is a malpais 16 x 8 x 4 ins. in a md. of
as described by the Surv. General.
Land mountainous 79.35 chs.
Pinon brush 79.35 Chs.

Oct. 16. 1902

Oct. 17: At 8 a.m. l.m.t. I set off 9°02' S. on the decl. arc; 34°54' N. on the lat. arc; and determine a true meridian with the solar at the cor. of secs. 2. 3. 34. & 35; thence I run E. bet. secs. 2 and 35.

Ascending steep slope of mesa.

26.00 Foot of bluff of mesa.

26.70 Top of bluff, 500 ft. high, brass N. & S.

37.00 The 1/4 sec. cor. brass N. 150 lks. which makes the bearing and length of this 1/2 mile N. 87°41' E., 37.05 chs.

I re-establish this cor. as follows:

Set a malpais 14 x 14 x 10 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on N. face from which a juniper 16 ins. diam. brass S. 34° W. 67 lks. dist. marked 1/4 S. 2 B.T.

a juniper 20 ins. diam. brass N. 41° E. 30 lks. dist. marked 1/4 S. 35 B.T.

Thence I run

N. 86° E.

39.42 The cor. of secs. 35 and 36 which is a small ƒ malpais, brs S. 31 lks. which marked the bearing of this 1/2 mile N. 86° 26' E. I re-establish this cor. as follows: Set a malpais 24 x 20 x 6 ins. in a md. of stone for cor. of secs. 1. 2. 35 & 36, marked with 1 notch on E. and 5 notches on W. edges, from which a juniper 10 ins. diam. brs N. 30° W. 469 lks. marked T. 18 N. R. 6 E. S. 35 B. T.
a juniper 10 ins. diam brs N. 32° E. 466 lks. dist. marked T. 18 N. R. 6 E. S. 36. B. T.
Land mountainous 76.42 chs.
Dense brush 76.42 chs.
Scattering junipers.
Soil 4th rate, rocky.

N. 88° E. bet. secs. 1 and 36.

39.81 The 1/4 sec. cor., an undersized stone, bears N. 1 lks. which makes the bearing of this half mile N. 87° 59' E. I re-build this cor. as follows:

Set a malpais 36 x 10 x 10 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on N. face from which

a juniper 16 ins. diam. bears N. 77° W. 42 lks. dist. marked 1/4 S. 36 B.T.

No other tree in dist.

Raised a md. of stone 1 1/2 ft. high and 3 ft. base N. of cor. Thence I run: E

39.82 79.63 The cor. of Tps. 17 and 18 N. Rs. 6 + 7 E. bears S. 10 lks. which makes the bearing of this 1/2 mile S. 89° 51' E. I re-build as follows:

Set a malpais 18 x 6 x 6 ins. in a md. of stone for cor. of Tps. 17 + 18 N. Rs. 6 + 7 E. marked with 6 notches on N. S. E. + W. faces, from which,

16 S. Bdy. Tp. 18 N. R. 6 E.

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An oak 10 ins. diam. bears N. 20° E. 30 2 lks.
dist. marked T. 18 N. R. 7 E. S. 32 B. T.
a pine 18 ins. diam. bears N. 52° W. 2 12 lks.
dist. marked T. 18 N. R. 6 E. S. 36 B. T.
a pine 10 ins. diam. bears S. 59° E. 149 lks.
dist. marked T. 17 N. R. 7 E. S. 5 B. T.
a pine 10 ins. diam. bears S. 54° W. 186 lks.
dist. marked T. 17 N. R. 6 E. S. 1 B. T.
Land mountainous. 79.63 chs.
Dense brush 79.63. chs.
Scattering pines & junipers.
Soil rocky, 4th rate.

Oct. 17. 1902

E. Bdy. Tp. 18 N. R. 6 E.

Oct. 18: At 8 a.m. l.m.t. I set off 9° 24' S. on the decl. arc; 34° 54' N. on the lat. arc; & determine a true meridian with the solar at the cor. of Tps. 17 & 18 N. Rs. 6 & 7 E.; thence I run N. bet. secs. 36 & 32

Thro. dense brush & scattering pines & oaks.

39.80 The 1/4 sec. cor., which is a small stone, with marks on bearing trees overgrown, bears W. 9 lks. which makes the bearing of this 1/2 mile N. 0° 08' W.. I re-establish as follows: Set a malpais 18 x 16 x 5 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on W. face, from which

a pine 16 ins. diam. bears N. 78° W. 28 lks. dist. marked 1/4 S. 36 B. T.

a pine 14 ins. diam. bears S. 81° E. 63 lks. dist. marked 1/4 S. 32 B. T.

18 E. Bdy. T. 18 N. R. 6 E.

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I continue N. on same line.

79.86 The cor. of secs. 25, 36, 29 & 32 bears W. 20 lks. which makes the bearing of this 1/2 mile N. 0° 09' W. I re-establish as follows:
Set a malpais 24 x 10 x 10 ins. in a md. of stone for cor. of secs. 25, 36, 29 & 32, marked with 1 notch on S. & 5 notches on N. edge, from which
a pine 8 ins. diam. bears N. 5° E. 153 lks. dist. marked T. 18 N. R. 7 E. S. 29 B. T.,
a pine 20 ins. diam. bears S. 81° 30' E. 110 lks. dist. marked T. 18 N. R. 7 E. S. 32 B. T.
Raised a md. of stone 2 ft. high, 3 ft. base W. of cor. No other trees in distance
Pits impracticable.
Land mountainous 79.86 chs.
Dense brush 79.86 chs.
Scattering pines & oaks.
Soil rocky, 4th rate.

E. Bdy. Tp. 18 N. R. 6 E. 19

N. bet. secs. 25 + 29

39.62 Thr 1/4 sec. cor. – a small stone – brass W. 18 lks, which makes the bearing of this 1/2 mile N. 0° 15' W.

I re-establish this cor. as follows:

Set a malpais 16 x 10 x 10 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on W. face from which a

Pine 14 ins. diam. brs N. 81° E. 143 lks. dist. marked 1/4 S. 29 B. T.

a pine 12 ins. diam. brs S. 65° W. 142 lks. dist. marked 1/4 S. 25 B. T.

Thence I run N.

79.62 Made diligent search but could find no sec. cor, set temp. cor.

Oct. 18, 1902.

Oct. 19. 1902; at 8 a.m. l.m.t. I set of 9° 45' S. on the decl. arc; 34° 56' N. on the lat. arc; & determine a true meridian with the solar, at the temp. cor. set last night

Thence I run N.

40.00 Made diligent search but could find no 1/4 sec. cor.

78.98 The cor. of secs. 13, 24, 17 & 20 brass W. 37 lks. therefor, the course of the line from the 1/4 sec. cor. bet. secs. 25 & 29 & this cor. is N. 1° 47' W. & its length is 119.04 chs.

I re-establish this cor. as follows:

Set a malpais 14 x 14 x 10 ins. in a md. of stone for cor. of secs. 13, 17, 20 & 24 marked with 3 notches on N & S. edges from which

a pine 16 ins. diam. brass N. 24° E. 179 lks. dist. marked T. 18 N. R. 7 E. S. 17 B. T.

a pine 30 ins. diam. brass N. 52° W. 218 lks. dist. marked T. 18 N. R. 6 E. S. 13 B. T.

a pine 12 ins. diam. bears S. 16° E. 238 lks.
dist. marked T. 18 N. R. 7 E. S. 20 B. T.
a pine 20 ins. diam. bears S. 62° W. 323 lks.
dist. marked T. 18 N. R. 6 E. S. 24 B. T.

N. bet. secs. 13 & 17.
Thro. dense pine woods.

40.00 The 1/4 sec. cor., a malpais 12 x 6 x 2 ins lying on the ground, bears W. 79 lks. which makes the bearing of this 1/2 mile N. 1° 08' W. I re-establish by setting a malpais 16 x 12 x 6 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on W. face, from which
a pine 14 ins. diam. bears N. 49° W. 75 lks.
dist. marked 1/4 S. 13 B. T.
a pine 36 ins. diam. bears N. 37° E. 51 lks.
dist. marked 1/4 S. 17 B. T.

Thence I run N.

~~39.72~~ ~~79.72~~ The cor. of secs. 12, 13, 8 & 17, which is a small stone lying on the ground, I re-establish as follows:

Set a malpais 26 x 8 x 6 ins., 20 ins. in ground for cor. of secs. 12, 13, 8 & 17 marked with 4 notches on S. & 2 notches on N. edges, from which

a pine 16 ins. diam. bears N. 34° E. 265 lks. dist. marked I. 18 N. R. 7 E. S. 8 B. T.

a pine 24 ins. diam. bears S. 28° E. 220 lks. dist. marked I. 18 N. R. 7 E. S. 17 B. T.

a pine 20 ins. diam. bears S. 49° W. 379 lks. dist. marked I. 18 N. R. 6 E. S. 13 B. T.

a pine 20 ins. diam. bears N. 7° W. 344 lks. dist. marked I. 18 N. R. 6 E. S. 12 B. T.

Land mountainous ~~79.92~~ 79.72 chs.

Dense pines ~~79.92~~ 79.72 chs.

Soil rocky, 4th rate

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N. bet. secs. 8 & 12.
Thro. dense pine timber.
40.00 Thr 1/4 sec. cor. - a malpais 13x6x2 ins. - which I re-establish as follows:
Set a malpais 20x12x6 ins in a md. of stone for 1/4 sec. cor. marked 1/4 on W. face, from which
a pine 24 ins. diam. bears S. 61° E. 66 lks. dist. marked 1/4 S. 8 B. T.
a pine 24 ins. diam. bears S. 11° W. 108 lks. dist. marked 1/4 S. 12 B. T.
61.00 Wagon road bears S 85° E & N. 85° W.
61.20 Gulch, course S. 85° E.
80.19 Cor. of secs. 1. 12. 5 & 8, an undersized stone, brass W. 103 lks. the bearing of this 1/2 mile is N. 1° 28' W.
I re-establish this cor. as follows:
Set a malpais 20x12x6 ins. in a md. of stone for cor. of secs. 1. 5. 8 & 12, marked

24 E. B'dy. Tp. 18 N. R. 6 E

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with 5 notches on S. and 1 notch on N. edges, from which
a pine 24 ins. diam. bears S. 52° W. 116 lks. dist. marked T. 18 N. R. 6 E. S. 12 B. T.
a pine 24 ins. diam. bears S. 86° E. 34 lks. dist. marked T. 18 N. R. 7 E. S. 8 B. T.
a pine 24 ins. diam. bears N. 64° E. 62 lks. dist. marked T. 18 N. R. 7 E. S. 5 B. T.
a pine 24 ins. diam. bears N. 32° W. 96 lks. dist. marked T. 18 N. R. 6 E. S. 1 B. T.
Land rough rolling 80.19 Chs.
Dense pines 80.19 Chs.
Soil rocky, 4th rate.

E. Bdy. Tp. 18 N. R. 6 E. 25.

N. bet. secs. 1 and 5.

Ascending thro dense pines

3.70 Top of ridge, brass N. 85° W. + S. 85° E.

Descend.

12.00 Gulch, course S. 70° W. ascend.

39.85 1/4 sec. cor. a small stone, brass E. 28 lks. which makes the bearing of this half mile N. 0° 24' E.

I re-establish this cor. as follows:

Set a malpais 16x10x8 ins. in a md. of stone for 1/4 sec. cor. marked 1/4 on W. face, from which

a pine 36 ins. diam. brass S. 69° 30' W. 95 lks. dist. marked 1/4 S. 1 B. T.

a pine 7 ins. diam. brass N. 76° E. 52 lks. dist. marked 1/4 S. 5 B. T. Thence N

~~99.65~~ ~~77.50~~ ~~41.12~~ ~~80.97~~ from 1/4 cor.

Top of ascent.

The cor. of Tps. 18 & 19 N. Rs. 6 & 7 E., an undersized stone, brass E. 47 lks.

which makes the bearing of this
1/2 mile N. 0° 39' E.
I re-establish this cor. as follows:
Set a malpais 18 x 14 x 6 ins. in a md. of
stone for cor. of Tps. 18 and 19 N. Rs. 6 + 7 E.
marked with 6 notches on N. S. E + W.
faces, from which
a pine 36 ins. diam. bears S. 48° W. 98 lks.
dist. marked T. 18 N, R. 6 E. S. 1 B. T.
a pine 36 ins. diam. bears S. 28° E. 120 lks.
dist. marked T. 18 N. R. 7 E. S. 5 B. T.
a pine 38 ins. diam. bears N. 45° W. 62 lk.
dist. marked T. 19 N. R. 6 E. S. 36 B. T.
a pine 30 ins. diam. bears N. 28° E. 53 lks.
dist. marked T. 19 N. R. 7 E. S. 32 B. T.
Land rough 80.97 chs.
Timber pines 80.97 chs.
Soil rocky, 4th rate.

Oct. 19. 1902.

Jan. 1. 1904; Near the cor. of Tps. 17 & 18 N., Rs. 6 & 7 W.
at noon, 12h 3' 11" I set off 23° 03' S. on the decl. arc,
and observe the sun on the meridian; the
resulting lat. is 34° 54 N.

Jan. 1. 1904.

Jan. 2: at 9 a.m. l.m.t. I set off 22° 58' S.
on the decl. arc; 34° 55' N. on the lat.
arc; and determine a true meridian
with the solar at the 1/4 sec. cor. bet.
secs. 25 and 29, thence I run
N. 1° 47' W. bet. secs. 25 & 29.
Over mountainous land, thro dense
pine timber and oak brush.
~~39.66~~ 39.68 Set a malpais 22 x 14 x 10 ins in a md.
of stone for cor of secs 20, 24, 25 & 29
and raised a md. of stone 2 ft. high, 4 ft.
base W. of cor. pits impracticable.
Land mountainous 79.28 chs.
Dense pines 70.00 chs.
Dense brush 79.28 chs.

28 E. Bdy. Tp. 18 N. R. 6 E.

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N. 1° 47' W. bet. secs. 24 + 20.

7.00 Edge of point of bluff of East Fork of Oak Creek. brass S. 10° E. + S. 80° W. Descend abruptly.

21.00 Bottom of a cañon, course S. 70° W. Ascend abruptly.

~~39.68~~ 39.66 The point for 1/4 sec. cor. comes in unsafe place on steep slope

45.70 Top of bluff N. side of cañon, brass E + W.

45.77 Set a malpais 18 x 14 x 10 ins. in a md. of stone for witness 1/4 sec. cor. marked W.C. 1/4 on W. face, and raised a md. of stone 2 ft. high, 3 ft. base W. of cor. pits impracticable

~~79.36~~ 79.32 The cor. of secs. 17 and 20, the markings of which I change to refer to E. sec. only. Land mountainous 79.32 chs.

Dense brush 79.32 chs.

Jan. 2, 1904.

General Description

The S. bdy. of this Tp. is extremely rough & mountainous

The cañon of Oak Creek, about 2000 feet deep crosses the south boundary of sec. 33.

Oak Creek is a rapid mountain stream of pure, clear water about 50 lks. wide.

The high mesa lands are generally covered with a good growth of pine.

The East boundary is mostly on the high plateau of the Mogollon mountains, but is cut by the East Fork of Oak Creek in sec. 24 containing no water

W. Oscar Lecon.

U.S. Deputy Surveyor.

Latitudes and Departures for 18N.R.6E. 30

Line.	True Bearing	Distance	Latitudes		Departures.	
			N	S	E	W.
E. Bdy. Sec. 36	N.0°08'W.	39.80	39.80			0.09
" " " 36	N.0°09'W	40.06	40.06			0.11
E. Bdy. Sec. 25	N.0°15'W.	39.62	39.62			.18
" " " 25	N.1°47'W	39.68	39.66			1.23
E Bdy Sec. 24	N.1°47'W.	79.36	79.32			2.46
Bet. 13 and 17	N1°08'W.	40.00	39.99			79.
3 " " "	North	39.72	39.72			
Bet. 8 and 12.	North	40.00	40.00			
" " " "	N1°28'W.	40.19	40.18			1.03
Bet 1 and 5	N.0°24'E	39.85	39.85		.28	
" " " "	N.0°39'E	41.12	41.12		.47	
N. Bdy. Sec. 1	N.89°55'W.	80.25	.12			80.25
N. Bdy. Sec. 2	S.89°24'W	80.43		.84		80.42.
N. Bdy. Sec. 3	N.89°32'W.	74.80	.61			74.79
N. Bdy. Sec. 4	N.89°34'W.	79.90	.65			79.89
Bet. 4 and 5	S.0°02'E	80.40		80.40	.05	
Bet. 8 and 9	S.0°02'E	80.00		80.00	.05	
Bet. 16 and 17.	S.0°02'E	80.00		80.00	.04	
Bet. 20 and 21	S.0°02'E	80.00		80.00	.05	
Bet. 28 and 29	S.0°02'E	80.00		80.00	.04	
Bet. 32 and 33	S.0°02'E	96.92		96.92.	.05	
S. Bdy 33	East	21.80			21.80	
S. Bdy 33	N.89°48'E	38.63	.12		38.62	
S. Bdy. 33	N.74°23'E	24.86	6.69		23.94	
S. Bdy. 34	N.86°12'E	79.35	5.26		79.18	
S. Bdy. 35	N.87°41'E	37.00	1.49		36.97	
S Bdy. 35	N.86°26'E	39.40	2.45		39.32	
S. Bdy. 36.	N.87°59'E	39.81	1.40		39.78	
S. Bdy. 36.	S89°51'E	39.82		.10	39.82	
	Total		498.11	498.26	320.46	321.24
				498.15		320.46
			Error in Lat	.15	Error in Dep	.78

For outlets 19-6.

For final oather prior to Jan. 1st 1904, see subs T.19 N., R.6 E. After Jan. 1st 1904, see subs T.18 N., R.6 E.

A P P R O V A L.

Office of the
United States Surveyor-General,
Phoenix, Arizona.
May 10-1904

The foregoing field notes of the survey of South & East Boundaries of T. 15 N., R. 6 E., of the Gila and Salt River Base and Meridian, in the Territory of Arizona. Executed by W. Oscar Secor, United States Deputy Surveyor, under his contract No. 102, dated June 30, 1904, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank Pidgeon

U. S. Surveyor-General.