

3222

Book "I"

BOOK 3222

4-679

JAN 17 1916

017 (1)

FIELD NOTES

RESURVEY OF

Parts of East bdy. of Township 21 North, Range 9 East, and

RETRACEMENT & RESURVEY OF

5th. Standard Parallel North, thru. Range 10 East, and

SURVEY of

Subdivision lines of

TOWNSHIP 21 NORTH, RANGE 10 EAST.

3222

3222

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Thomas B. Matthews, U.S. Surveyor.

and

Joseph C. Clark & Deane J. Wolff, U.S. Transitmen.

~~In the capacity of U.S. Surveyor~~, under Special Instructions dated Dec. 17, 1915
Jan. 12, 1916,

issued by the United States Surveyor General to govern surveys included in Group

No. 68 and 69, which were approved by the Commissioner of the General Land

Office, Jan. 7 & 22, 1916, and Assignment Instructions dated Feb. 3 & Apl. 7 1916

Retracement, Resurvey
and Survey commenced February 25, 1916

Retracement, Resurvey
and Survey completed April 28, 1916

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1A

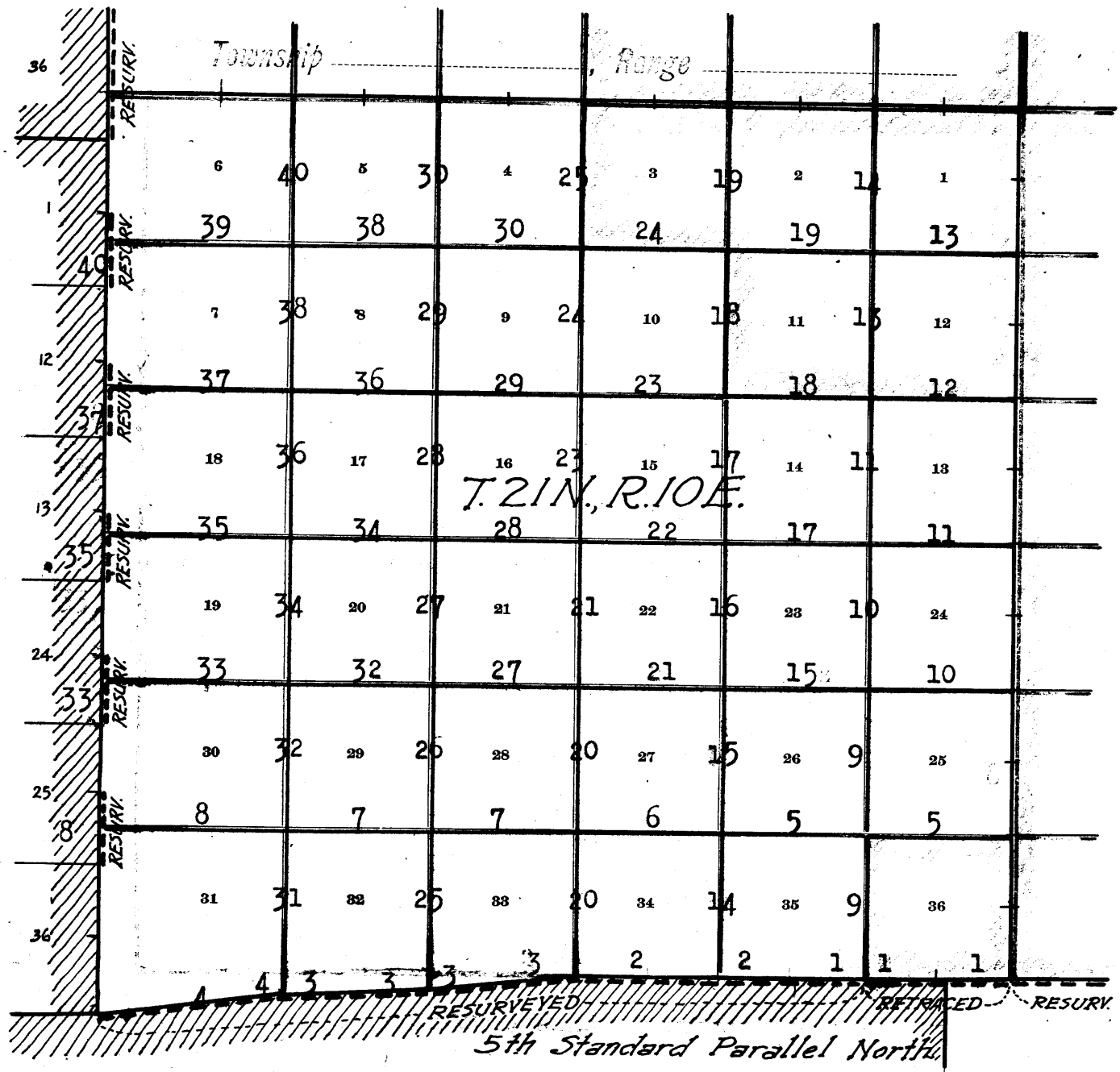
3222
Book "I"

Group 68 - - - Arizona

BOOK 3222

including part of Group 69.

INDEX DIAGRAM.



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Retracement & Resurvey of 5th. Standard Par. N., thru. R. 10 E.,
 Survey of Subdivision of Township 21 North, Range 10 East.

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Chains

Work executed by Thomas B. Matthews, U.S. Surveyor, using Buff and Buff light mountain transit No. 10124, and Joseph C. Clark, and Deane J. Wolff, U.S. Transitmen, both using Young and Sons' light mountain transit No. 8535, respectively, on the dates shown on the diagrams on pages 43 and 44 of this book.

For description of instruments, see beginning of notes in Books "A" and "B."

For a complete record of tests of the instruments, and their solar attachments on meridians established by observations on Polaris, see beginning of notes in Book "G."

Throughout the survey, frequent tests were made to insure the accuracy of the solar attachments.

Retracement of 5th. Standard Parallel N., thru. R. 10 E.

- From the standard cor. of Ts. 21 N., Rs. 10 and 11 E., described in Book "B,"
- West, on a random line, on S. bdy. of sec. 36 (E. half).
 Over gently rolling land, thru. medium growth of timber and dense undergrowth.
- 34.42 Fall 97 lks. N. of the closing cor. of Ts. 20 N., Rs. 10 and 11 E., which is a limestone, 10x8x10 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general.
- Continue line and measurement.
- 40.07 Fall 178 lks. S. of the standard $\frac{1}{2}$ sec. cor. of sec. 36, which is a limestone, 18x12x8 ins. above ground, loosely set, marked and witnessed, as described by the surveyor general.
- The true course and distance of E. $\frac{1}{2}$ of S. bdy. of sec. 36, is therefore S. 87° 27' E., 40.11 chs., and therefore, the closing cor. of Ts. 20 N., Rs. 10 and 11 E. is 2.50 chs. S. of 34.45 chain station on Parallel.
- Thence,
- West, on a random line on S. bdy. of sec. 36 (W. half).
 Over rolling land, thru. scattering timber and dense undergrowth.
- 18.00 Rim rock, brs. N. and S. on right bank of Canyon Padre.
 Descend 93 ft.
- 20.30 Canyon Padre Creek. 20 lks. wide, 4 ft. deep, clear water, course N. Ascend 85 ft. on rocky E. slope.
- 24.60 Rim rock on left bank of canyon, brs. N. and S. Thence across gently rolling land.
- 39.87 Fall 70 lks. S. of the standard cor. of secs. 35 and 36, which is a limestone, 16x12x12 ins., set 10 ins. in the ground; No marks visible, witnessed by mound of stone, N. of cor.
- The true course and distance of W. $\frac{1}{2}$ of S. bdy. of sec. 36 is therefore S. 89° 0' E., 39.88 chs.
- Land, rolling and broken.
 Soil, dark sandy clay and rock, limestone formation; volcanic ash on surface.
 Timber, dense cedar and pinon.
 Undergrowth, dense short rabbit brush and yellow top.
 Fair grass.

-
- From standard cor. of secs. 35 and 36, hereinbefore described,
- West, on random line on S. bdy. of sec. 35 (E. half).
- 40.06 Fall 87 lks. S. of standard $\frac{1}{2}$ sec. cor. of sec. 35, a limestone 8x6x4 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
- True course and distance back to standard cor. of secs. 35 and 36 is therefore S. 88° 45' E., 40.07 chs.
- Thence,
- West, on random line, on S. bdy. of sec. 35 (W. half).

2. Retracement of 5th. Std. Paralle N. thru Range 10 East.

Chains.

- 39.58 Fall 68 lks. N. of the old standard cor. of secs. 34 and 35, a limestone, 12x10x10 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general. After closing line between secs. 34 and 35, T. 21 N., R. 10 E., change this cor. to angle point No. 4, by obliterating original marks on stone, and marking it A P 4 on N. face.
True course and dist. from this A.P. to old standard $\frac{1}{2}$ sec. cor. of sec. 35 is therefore N. 89° 2' E., 39.59 chs.
From A.P. No. 4,
N. 89° 2' E., on true line, S. of sec. 35.
Over nearly level land, thru dense timber.
- 39.59 Intersect old standard $\frac{1}{2}$ sec. cor. of sec. 35, hereinbefore described. Change to Angle Point No. 3 by obliterating original marks, and marking it A P 3 on N. face.
Thence,
S. 88° 45' E. on true line, S. of sec. 35.
Over level land, thru dense timber.
- 38.50 Draw, course NE.
- 40.07 Intersect standard cor. of secs. 35 and 36, hereinbefore described.
Land, level.
Soil, thin and rocky loam, medium texture, 10 to 20 ins. deep on limestone subsoil.
Timber, dense cedar and pinon.
No undergrowth.
No grass.
-
- 40.00 From old std. cor. of secs. 34 and 35, hereinbefore described, West, on random line, on S. bdy. of sec. 34.
No trace of original standard $\frac{1}{2}$ sec. cor. of sec. 34, can be found after diligent search.
Continue line and measurement.
- 80.77 Fall 4.35 chs. N. of original standard cor. of secs. 33 and 34, a limestone 10x8x8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
Random line bet. secs. 33 and 34 falling within limits on this cor., do not change the designation of this cor.
True course and distance of line back to old standard cor. of secs. 34 and 35 is therefore N. 86° 55' E., 80.89 chs.
From old standard cor. of secs. 33 and 34 just described, N. 86° 55' E., on a true line, on S. bdy. of sec. 34.
Over gently rolling land, thru dense timber. Ascend.
- 4.90 Spur, slopes NW. Descend gradually.
- 37.90 Old road, brs. NW. and SE.
- 40.44 $\frac{1}{2}$ (Midpoint between old standard sec. cors.) No trace of old standard $\frac{1}{2}$ sec. cor. As closing cor. is set on parallel for secs. 34 and 35 as hereinafter described, Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for Angle point No. 5, marked on brass cap,
- A P 5
- 1916
- from which,
A cedar, 8 ins. in diam., brs. N. 75° E., 108 lks. dist., marked A P 5 B T.
A cedar, 8 ins. in diam., brs. N. 37 $\frac{1}{2}$ ° W., 81 lks. dist., marked A P 5 B T.
- 80.17 Thence over level land.
Intersect the closing cor. of secs. 34 and 35, hereinafter described.
- 80.89 Continue line and measurement.
Intersect the old standard cor. of secs. 34 and 35 changed to A.P. No. 4, as hereinbefore described.
Land, gently rolling and level.
Soil, rocky, coarse texture, 4th rate.
Timber, dense cedar and pinon.
No undergrowth. No grass.

Retracement of 5th. Std. Parallel N., thru. Range 10 East. 3.

Chains.

From old standard cor. of secs. 33 and 34, hereinbefore described,
 West, on random line on S. bdy. of sec. 33 (E. half).
 40.36 Fall 197 lks. N. of the old std. $\frac{1}{4}$ sec. cor., a limestone, 10x9x14 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general.
 True course and distance back to old standard cor. of secs. 33 and 34 is therefore N. 87° 12' E., 40.41 chs.
 From old standard $\frac{1}{4}$ sec. cor., just described,
 West, on random line, on S. bdy. of sec. 33 (W. half).
 40.38 Fall 362 lks. N. of old standard cor. of secs. 32 and 33, a limestone 12x10x7 ins. above ground, in a mound of stone, marked and witnessed as described by the surveyor general.
 Closing cor. of secs. 32 and 33 being set as hereinafter described, reestablish this old standard sec. cor. for Angle point No. 8 by obliterating markings on stone, and marking same "A P 8" on N. face.
 From this cor. the following bearing trees:
 A cedar, 19 ins. in diam., brs. N. 12 $\frac{1}{2}$ ° E., 105 lks. dist., and
 A pine, 12 ins. in diam., brs. N. 87 $\frac{1}{2}$ ° W., 77 lks. dist.
 Change markings on these trees to "A P 9 B T."
 True course and dist. of line from this A.P. back to old $\frac{1}{4}$ sec. cor. is therefore, N. 84° 53' E., 40.54 chs.

 From A.P. above described,
 N. 84° 53' E., on true line, S. of sec. 32.
 Over rolling land, thru dense timber.
 0.63 Intersect closing cor. of secs. 32 and 33, hereinafter described. Thence continue line and measurement south of sec. 33 (old W. $\frac{1}{2}$).
 40.54 Intersect old standard $\frac{1}{4}$ sec. cor., hereinbefore described. This cor. now becoming an angle point, change marking on stone to A P 7 on N. face. Obliterate marking on old bearing trees, which are both dead. Establish new bearing trees as follows:
 A pinon, 10 ins. diam., brs. N. 77 $\frac{1}{2}$ ° E., 110 lks. dist., marking same A.P. 7 B T.
 A pinon, 12 ins. in diam., brs. N. 18° W., 49 lks. dist., marking same A.P. 7 B T.
 Thence N. 87° 12' E., on true line, S. of sec. 33 (old E. $\frac{1}{2}$).
 Over gently rolling land, thru dense timber.
 15.64 Ravine, course NE. Ascend.
 40.41 Intersect old std. cor. of secs. 33 and 34. This cor. retains its original designation. No change made.
 Land, gently rolling. 6 ins. to 2 ft. deep to bed rock
 Soil, rocky black loam, 3rd rate.
 Timber, dense cedar and pinon.
 No undergrowth.
 Fair grass.

 From old standard cor. of secs. 32 and 33, hereinbefore described,
 West on random line on S. bdy. of sec. 32 (E. $\frac{1}{2}$).
 40.04 Fall 312 lks. N. of old standard $\frac{1}{4}$ sec. cor., a limestone, 10x7x9 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general.
 True course and dist. of line back to old standard sec. cor. is therefore N. 85° 33' E., 40.16 chs.
 From old standard $\frac{1}{4}$ sec. cor. just described
 West, on a random line, S. of sec. 32 (W. $\frac{1}{2}$).
 40.66 Fall 291 lks. N. of old standard cor. of secs. 31 and 32, a limestone 12x7x8 ins. above ground, firmly set in mound of stone, marked and witnessed as described by the surveyor general.

4. Retracement of 5th Std. Parallel North, thru Range 10 East
Chains.

True course and dist. of line back to old standard $\frac{1}{4}$ sec. cor. is therefore N.85° 52' E., 40.77 chs.
 A closing cor. being set for secs 31 and 32 as hereinafter described, change this old standard sec. cor. to Angle Point by obliterating original marks, and re marking stone "A P 10" on N. face.
 From this cor., the original bearing trees,
 A pinon, 10 ins. in diam., brs. N. 44° E., 76 lks. dist., and
 A cedar, 10 ins., in diam., brs. N. 68° W., 62 lks. dist.
 Change markings on these trees to "A P 10 B T."
 Thence,
 N. 85° 52' E., on true line, S. of sec. 31.
 Over gently rolling land, thru dense timber.
 1.03 Intersect closing cor. of secs. 31 and 32, hereinafter described.
 Continue line and measurement S. of sec. 32 (old W. $\frac{1}{2}$).
 40.77 Intersect old standard $\frac{1}{4}$ sec. cor., hereinbefore described. This cor. now becoming an angle point, change marking on stone to A P 9. Obliterate marking on old bearing tree. Establish new bearing trees as follows:
 A pinon, 18 ins. in diam., brs. N. 44° E., 25 lks. dist., and
 A cedar, 9 ins. in diam., brs. N. 36° W., 107 lks. dist.
 Mark both of these trees "A P 9 B T."
 Thence,
 N. 85° 33' E., on true line, S. of sec. 32 (old E. $\frac{1}{2}$).
 Over gently rolling land, thru dense timber.
 40.16 Intersect old standard cor. of secs. 32 and 33, changed to Angle Point No. 8, as hereinafter described. rock.
 Land, gently rolling. 6 ins. to 2 ft. deep to bed
 Soil, dark loam, coarse texture, 3rd rate.
 Timber, dense cedar and pinon.
 No undergrowth.
 Fair grass.

40.61 From old standard cor. of secs. 31 and 32, hereinbefore described,
 West, on random line, on S. bdy. of sec. 31 (E. $\frac{1}{2}$).
 Fall 341 lks. N. of old standard $\frac{1}{4}$ sec. cor., a limestone, 12x8x10 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
 True course and dist. of line back to old standard sec. cor. is therefore N. 85° 12' E., 40.76 chs.
 From old standard $\frac{1}{4}$ sec. cor.,
 West, on random line, on S. bdy. of sec. 31 (W. $\frac{1}{2}$).
 59.27 Fall 8.92 chs. N. of old standard cor. of Ts. 21 N., Rs. 9 and 10 E., a decayed post, on top of mound of stone, marked and witnessed as described by the surveyor general.
 Reestablish this cor. as follows:
 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, supported by a mound of stone, for standard cor. of Ts. 21 N., Rs. 9 and 10 E., marked on brass cap,

SO
T21N
R9E | S10E
S36 | S31

1916

Bearing trees as described by the surveyor general.
 True course and dist. of line back to old standard $\frac{1}{4}$ sec. cor. is therefore N. 81° 26' E., 59.94 chs.

Retracement of 5th. Standard Parallel North, thru. Range 10 E. 5

Chains.

From reestablished standard township cor., described above, N.81°26'E., on a true line, S. of sec. 31 (old W. half).
 Over gently rolling land, thru. dense timber.
 43.13 Ravine, course NE.
 59.94 Intersect old standard $\frac{1}{4}$ sec. cor. hereinbefore described. Change to Angle Point No. 11 by obliterating original marks on stone, and remarking same "A P 11" on N. face. Obliterate marking on original bearing tree, which is dead. Establish as new bearing trees:
 A cedar, 8 ins. in diam., N. 50° W., 78 lks. dist., and
 A pinon, 12 ins. in diam., N. 9 $\frac{1}{2}$ ° E., 76 lks. dist. on each of which, marked "A P 11 B T."
 Thence,
 N. 85° 12' E., on true line, S. of sec. 31 (old E. $\frac{1}{2}$).
 Over gently rolling land, thru. dense timber.
 40.76 Intersect old standard cor. of secs. 31 and 32, changed to Angle Point No. 10, as hereinbefore described.
 Land, gently rolling.
 Soil, dark loam, coarse texture, 3rd rate.
 Timber, dense cedar and pinon.
 No undergrowth.
 Fair grass.

Subdivision of Township 21 North, Range 10 East.
Sectional Correction Line.

From the cor. of secs. 25, 30, 31 & 36 on E. bdy. of Tp., described in Book "B,"
 West on sectional correction line, bet. secs. 25 and 36.
 Over rolling land, thru. dense timber & scattering undergrowth.
 15.00 Rim rock on E. side of canon, brs. SE. & NW. Descend 89 ft.
 17.90 Canyon Padre at bend, course NE., E., and SE.
 Ascend rocky SE. slope, 104 ft. to
 24.70 Rim rock on W. side of Padre Canyon, brs. NE. and SW.
 Thence over level land.
 30.00 Rim rock brs. SE. and NW. Descend cliffy SW. slope to
 32.20 Canyon Padre Creek, 30 lks. wide, 3 ft. deep, course SE. for about 10 chs. dist.; thence bending to NE. Desc. 85 ft.
 35.00 Canyon Padre creek, 30 lks. wide, 3 ft. deep, course NE. Ascend 85 ft. to
 39.35 Rim-rock, brs. NE. and SW. Thence across rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 to solid rock $\frac{1}{4}$ S 25
 and in a mound $\frac{1}{4}$ S 36
 of stone 1916
 from which,

A pinon, 18 ins. in diam., brs. N. 17 $\frac{1}{2}$ ° W., 44 lks. dist., marked $\frac{1}{4}$ S 25 B T.
 A pinon, 10 ins. in diam., brs. S. 26 $\frac{1}{2}$ ° E., 37 lks. dist., marked $\frac{1}{4}$ S 36 B T.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap

T21N	R10E
S26	S25
S35	S36
1916	

from which,
 A pinon, 12 ins. in diam., brs. N. 33 $\frac{1}{2}$ ° E., 139 lks. dist., marked T 21-N R10E S25 B T.
 A cedar, 10 ins. in diam., brs. S. 50 $\frac{1}{2}$ ° E., 43 lks. dist., marked T21N-R10E S36 B T.
 A cedar, 10 ins. in diam., brs. S. 19 $\frac{1}{2}$ ° W., 105 lks. dist., marked T 21N R10E S35 B T.
 A pinon, 12 ins. in diam., brs. N. 21° W., 152 lks. dist., marked T21N R10E S26 B T.

Land, gently rolling broken by Padre Canyon.
 Soil, dark sandy clay and rocky, volcanic ash on surface,

6. Subdivision of Township 21 North, Range 10 East.

Chains.

Timber, dense cedar and pinon.
Undergrowth, scattering rabbit brush & soldier berry.
Fair grass.

40.00

West, on sectional correction line, bet. secs. 26 and 35.
Over level land, thru dense timber & scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for $\frac{1}{2}$ sec. cor. marked on brass cap,

S 26
S 35
1916

from which,

- A cedar, 7 ins. in diam., brs. N. 9° W., 44 lks.
dist., marked $\frac{1}{2}$ S 26 B T.
- A cedar, 8 ins. in diam., brs. S. 1° E., 59 lks.
dist., marked $\frac{1}{2}$ S 35 B T.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the
ground, in a mound of stone, for cor. of secs. 26, 27, 34 &
35, marked on brass cap,

T21N R10E
S27 | S26
S34 | S35
1916

from which,

- A cedar, 8 ins. in diam., brs. N. 27° E., 120 lks. dist.,
marked T 21 N R10E S 26 B T.
- A cedar, 7 ins. in diam., brs. S. 49 $\frac{1}{2}$ ° E., 117 lks. dist.,
marked T21N R10E S 35 B T.
- A cedar, 10 ins. in diam., brs. S. 73° W., 12 lks.
dist., marked T21N R10E S34 B T.
- A cedar, 6 ins. in diam., brs. N. 8 $\frac{1}{2}$ ° W., 190 lks. dist.,
marked T 21N R10E S27 B T.

Land, level. Soil, coarse gravel, 16 to 18 ins. deep, sandstone
subsoil.
Timber, dense scrub cedar. Undergrowth, scattering rabbit
brush. Good grass.

2.50
40.00

West, on sectional correction line, bet. secs. 27 and 34.
Over level land, thru scrub timber.
Wagon road, brs. N. and S.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for $\frac{1}{2}$ sec. cor., marked on brass cap,

S 27
S 34
1916

from which,

- A cedar, 16 ins. in diam., brs. N. 19 $\frac{1}{2}$ ° W., 16 lks.
dist., marked $\frac{1}{2}$ S27 B T.
- A cedar, 8 ins. in diam., brs. S. 44 $\frac{3}{4}$ ° W., 49 lks.
dist., marked $\frac{1}{2}$ S 34 B T.

53.30
70.00
80.00

Wagon road brs. NW. and SE.
Small draw, course NE.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in ground for
cor. of secs. 27, 28, 33 & 34, marked on brass cap,

T21N R10E
S28 | S27
S33 | S34
1916

from which

- A pinon, 10 ins. in diam., brs. N. 15 $\frac{1}{2}$ ° E., 19 lks.
dist., marked T 21 N R 10 E S27 B T.
- A pinon, 5 ins. in diam., brs. S. 71 $\frac{1}{2}$ ° E., 53 lks.
dist., marked T 21 N R10E S34 B T.
- A pinon, 16 ins. in diam., brs. S. 21° W., 141 lks.
dist., marked T 21 N R10E S 33 B T.
- A cedar, 8 ins. in diam., brs. N. 50° W., 83 lks.
dist., marked T 21 N R 10 E S 28 B T.

Land, gently rolling.
Soil, coarse texture, 16 ins. deep, sandstone subsoil.
Timber, dense scrub cedar and pinon. No undergrowth.
Good grass.

Chains.

West on sectional correction line, bet. secs. 28 and 33.
 Over gently rolling land, thru. dense scrub cedar.
 6.25 Small draw, 1 ch. wide, course NE.
 37.45 Old road brs. NW. and SE.
 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 28
 S 33
 1916

from which,

A pinon, 6 ins. in diam., brs. N. 49 $\frac{1}{2}$ ° W., 94 lks.
 dist., marked $\frac{1}{4}$ S 28 B T.
 A pinon, 8 ins. in diam., brs. S. 58° E., 30 lks.
 dist., marked $\frac{1}{4}$ S 33 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for cor. of secs. 28, 29, 32 and 33, marked
 on brass cap,

T21N R10E
 S29 S28
 S32 S33
 1916

from which,

A pinon, 8 ins. in diam., brs. N. 24° E., 103 lks.
 dist., marked T 21 N R 10 E S 28 B T.
 A pinon, 10 ins. in diam., brs. S. 57° E., 48 lks.
 dist., marked T 21 N R 10 E S 33 B T.
 A pinon, 8 ins. in diam., brs. S. 26° W., 23 lks.
 dist., marked T 21 N R 10 E S 32 B T.
 A pinon, 12 ins. in diam., brs. N. 50° W., 21 lks.
 dist., marked T 21 N R 10 E S 29 B T.

Land, gently rolling.
 Soil, coarse texture, sandstone subsoil.
 Timber, dense scrub cedar and pinon.
 No undergrowth.
 Fair grass.

 West, on sectional correction line, bet. secs. 29 and 32.
 Over gently rolling land, through dense timber.

17.40 Dim road, brs. NE. and SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in
 the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
 on brass cap,

$\frac{1}{4}$ S 29
 S 32
 1916

from which,

A cedar, 20 ins. in diam., brs. N. 50 $\frac{3}{4}$ ° W., 47 lks.
 dist., marked $\frac{1}{4}$ S 29 B T.
 A cedar, 24 ins. in diam., brs. S. 19° E., 48 lks.
 dist., marked $\frac{1}{4}$ S 32 B T.

75.35 Wash, 30 lks. wide, 4 ft. deep, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in
 the ground, in a mound of stone, for cor. of secs. 29, 30,
 31 and 32, marked on brass cap,

T21N R10E
 S30 S29
 S31 S32
 1916

from which,

A pinon, 12 ins. in diam., brs. N. 70 $\frac{3}{4}$ ° E., 107
 lks. dist., marked T 21 N R 10 E S 29 B T.
 A pinon, 14 ins. in diam., brs. S. 12 $\frac{1}{2}$ ° E., 195
 lks. dist., marked T 21 N R 10 E S 32 B T.
 A pinon, 10 ins. in diam., brs. S. 47 $\frac{1}{2}$ ° W., 118
 lks. dist., marked T 21 N R 10 E S 31 B T.

8 subdivision of Township 21 North, Range 10 East.

Chains.

A pinon, 8 ins. diam., brs. N. 59 $\frac{1}{2}$ ° W., 96 lks. dist., marked T 21 N R 10 E S 30 B T.
 Land, gently rolling.
 Soil, coarse texture, 14 ins. deep, sandstone subsoil.
 Timber, dense scrub cedar and pinon.
 No undergrowth.
 Fair grass.

32.70
40.00

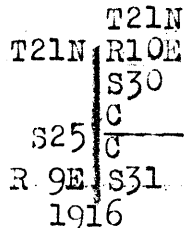
West, on sectional correction line, bet. secs. 30 and 31. Over gently rolling land, thru dense timber.
 East edge of burned over section, brs. NW. and SE.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 30
 $\frac{1}{4}$ S 31
 1916

from which,

A cedar, 5 ins. in diam., brs. N. 47° E., 69 lks. dist., marked $\frac{1}{4}$ S 30 B T.
 A cedar, 7 ins. in diam., brs. S. 24 $\frac{1}{2}$ ° E., 189 lks. dist., marked $\frac{1}{4}$ S 31 B T.

62.30
70.00
101.04

Wagon road brs. NE. and SW.
 Draw, 2 chs. wide, course NE.
 Intersect E. bdy. of T. 21 N., R. 9 E., 14.01 chs. S. of the $\frac{1}{4}$ sec. cor. of sec. 25, hereinafter described,
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, in a mound of stone, for closing cor. of secs. 30 and 31, marked on brass cap,



dig pits, 24x18x12 ins., crosswise on each line, N. and S., 3 ft., and E. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

Land, gently rolling.
 Soil, coarse texture, sandstone subsoil.
 Timber, scrub cedar and pinon.
 Undergrowth, none. Fair grass.

Resurvey of S. $\frac{1}{2}$ of E. bdy. of sec. 25, T. 21 N., R. 9 E.

40.07

From the $\frac{1}{4}$ sec. cor. of secs. 25 and 30, which is a sandstone, 12x12x6 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general,
 South, on random line, on E. bdy. of sec. 25 (S. half).
 Intersect cor. of secs. 25, 30, 31 and 36, which is a sandstone, 6x3x6 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general. Change to refer to secs. 25 and 36 of T. 21 N., R. 9 E. only, by filling in bits E. of line. No other change necessary.

0.77
40.07

Thence,
 North, on a true line, on E. bdy. of sec. 25 (S. half).
 Over slightly rolling land.
 Road brs. NE. and SW.
 Intersect $\frac{1}{4}$ sec. cor., hereinbefore described. This cor. now refers to sec. 25 only. No change in marking or accessories is necessary.
 Land, slightly rolling. Soil, coarse texture, 12 to 18 ins. deep, on sandstone subsoil.
 No timber or undergrowth.
 Dead cedar stubs, some loco weeds.

Subdivision of T. 21 N., R. 10 E.

9

Chains

From the cor. of secs. 25, 26, 35 and 36,
 S. 0° 1' E. on a random line bet. secs. 35 and 36.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.50 Intersect 5th Standard Parallel N., 11 lks. W. of the
 standard cor. of secs. 35 and 36, hereinbefore de-
 scribed.
 Thence
 N. 0° 6' W. on a true line bet. secs. 35 and 36.
 Over rolling land, through dense timber.
 2.65 Draw, course NE.
 4.75 Old Trails Highway brs. N, 76° W. and SE. and bends NE.
 13.50 Draw, course NE.
 19.65 Rim-rock brs. NE. and SW. Desc. gradual slope.
 22.60 Draw, course NE. Asc. 69 ft.
 26.50 Rim-rock brs. NE. and SW.
 32.50 Concrete bridge across Canyon Padre brs. E. about 12 chs.
 37.50 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S35} \mid \text{S36} \\ 1916 \end{array}$$

from which,

A cedar, 8 ins. diam., brs. East,
 96 lks. dist.; mkd. $\frac{1}{4}$ S 36 B T.
 A pinyon, 12 ins. diam., brs. S. 46 $\frac{1}{2}$ ° W.
 95 lks. dist.; mkd. $\frac{1}{4}$ S 35 B T.

Desc. gradual slope.
 43.50 Shallow draw, course SE.
 77.50 The cor. of secs. 25, 26, 35 and 36.
 Land, gently rolling.
 Soil, red sandy clay and rocky, volcanic ash on surface.
 Timber, dense cedar and pinyon.
 Undergrowth, none.
 Fair grass.

N. 0° 1' W. bet. secs. 25 and 26.
 Over gently rolling land, through dense timber.
 4.80 Swale course SE. Thence over level land.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S26} \mid \text{S25} \\ 1916 \end{array}$$

from which,

A cedar, 8 ins. diam., brs. S. 32 $\frac{3}{4}$ ° E.
 120 lks. dist.; mkd. $\frac{1}{4}$ S 25 B T.
 A cedar, 7 ins. diam., brs. S. 73° W.
 45 lks. dist.; mkd. $\frac{1}{4}$ S 26 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 23, 24, 25 and 26, mkd. on
 brass cap

$$\begin{array}{c} \text{T21N R10E} \\ \text{S23} \mid \text{S24} \\ \text{S26} \mid \text{S25} \\ 1916 \end{array}$$

from which,

A cedar, 9 ins. diam., brs. N. 54° E.
 107 lks. dist.; mkd. T 21 N R 10 E S 24 B T.
 A cedar, 6 ins. diam., brs. S. 62 $\frac{1}{2}$ ° E.
 89 lks. dist.; mkd. T 21 N R 10 E S 25 B T.
 A cedar, 6 ins. diam., brs. S. 41 $\frac{1}{4}$ ° W.

10 Subdivision of T. 21 N., R. 10 E.

Chains

66 lks. dist.; mkd. T 21 N R 10 E S 26 B T.
 A cedar, 5 ins. diam., brs. N. 47 $\frac{1}{4}$ ° W.
 19 lks. dist.; mkd. T 21 N R 10 E S 23 B T.
 Land, gently rolling.
 Soil, thin dark loam, rocky texture, solid limestone
 underlying top soil.
 Timber, dense cedar and pinyon.
 Undergrowth, none.
 Poor grass.

40.00 East on a random line bet. secs. 24 and 25.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect E. bdy. of Tp., 10 lks. N. of cor. of secs.
 19, 24, 25 and 30, described Book "B".

Thence
 N. 89° 56' W. on a true line bet. secs. 24 and 25.
 40.10 Over gently rolling land, through dense timber.
 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$\frac{1}{4}$ S 24
 $\frac{1}{4}$ S 25
 1916

from which,
 A cedar, 10 ins. diam., brs. N. 50° W.
 86 lks. dist.; mkd. $\frac{1}{4}$ S 24 B T.
 A cedar, 10 ins. diam., brs. S. 39 $\frac{1}{4}$ ° E.
 68 lks. dist.; mkd. $\frac{1}{4}$ S 25 B T.
 80.20 The cor. of secs. 23, 24, 25 and 26.
 Land gently rolling.
 Soil, thin dark loam, rocky medium texture, solid limestone
 underlying topsoil.
 Timber, dense cedar and pinyon.
 Undergrowth, none.
 Poor grass.

40.00 N. 0° 1' W. bet. secs. 23 and 24.
 Over gently rolling land, through dense timber.
 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$\frac{1}{4}$
 S 23 | S 24
 1916

from which,
 A pinyon, 9 ins. diam., brs. S. 30 $\frac{1}{4}$ ° E.
 150 lks. dist.; mkd. $\frac{1}{4}$ S 24 B T.
 A cedar, 7 ins. diam., brs. N. 57 $\frac{1}{4}$ ° W
 24 lks. dist.; mkd. $\frac{1}{4}$ S 23 B T.
 41.72 Telephone line brs. E. and W.
 44.15 Postal Telegraph line, brs. E. and W.
 44.37 Santa Fe block signal line brs. E. and W.
 44.93 A. T. and S. F. Ry. track brs. N 87° 1' W. and S. 87° 1' E.
 45.15 A. T. and S. F. Ry. track brs. N. 87° 1' W. and S. 87° 1' E.
 45.36 A. T. and S. F. Ry. siding brs. N. 87° 1' W. and S. 87° 1' E.
 45.92 Western Union Telegraph line brs. E. and W.
 48.10 Old road brs. E. and W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
 ground, in a mound of stone, for cor. of secs. 13, 14,
 23 and 24, mkd. on brass cap

Subdivision of T. 21 N., R. 10 E.

Chains

T21N R10E
S14 | S13
S23 | S24
1916

from which,
A cedar, 10 ins. diam., brs. N. 74 $\frac{1}{4}$ ° E.
85 lks. dist.; mkd. T 21 N R 10 E S 13 B T.
A cedar, 6 ins. diam., brs. S. 48 $\frac{1}{2}$ ° E.
52 lks. dist.; mkd. T 21 N R 10 E S 24 B T.
A pinyon, 7 ins. diam., brs. S. 85 $\frac{1}{2}$ ° W.
97 lks. dist.; mkd. T 21 N R 10 E S 23 B T.
A pinyon, 10 ins. diam., brs. N. 44 $\frac{3}{4}$ ° W.
119 lks. dist.; mkd. T 21 N R 10 E S 14 B T.

Land, gently rolling.
Soil, coarse texture, dark loam, gravelly and stony, 6
Timber, dense cedar and pinyon. ins. to 2 ft. deep to
No undergrowth. solid limestone for-
Fair grass. mation.

40.00 East on a random line bet. secs. 13 and 24.
Set temp. $\frac{1}{4}$ sec. cor.
80.12 Intersect E. bdy. of Tp., 9 lks. N. of the cor. of secs.
13, 18, 19 and 24, described in Book "B".
Thence
N. 89° 56' W. on a true line bet. secs. 13 and 24.
Over gently rolling land, through dense timber.
40.06 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
brass cap

$\frac{1}{4}$ S 13
S 24
1916

80.12 from which,
A cedar, 8 ins. diam., brs. N. 30 $\frac{3}{4}$ ° E.
113 lks. dist.; mkd. $\frac{1}{4}$ S 13 B T.
A cedar, 9 ins. diam., brs. S. 22° W.
94 lks. dist.; mkd. $\frac{1}{4}$ S 24 B T.
The cor. of secs. 13, 14, 23 and 24.
Land, gently rolling.
Soil, thin dark loam, rocky, medium texture, solid lime-
stone underlying topsoil.
Timber, dense cedar and pinyon.
No undergrowth.
Poor grass.

40:00 N. 0° 1' W. on a random line bet. secs. 13 and 14.
Set temp. $\frac{1}{4}$ sec. cor.
80.20 Intersect Coconino National Forest bdy., 21 lks. W. of
the cor. of secs. 11, 12, 13 and 14, hereinafter
described.
Thence
S. 0° 8' W. on a true line bet. secs. 13 and 14.
Over rolling land, through dense timber.
5.00 Desc. 23 ft. to
10.00 Gently rolling land to
13.00 Desc. 50 ft. from rim-rock which brs. SE. and NW.
27.40 Young's Creek canyon 60 lks. wide, 10 ft. deep, course S.
80° E.
40.10 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

12

Subdivision of T. 21 N., R. 10 E.

Chains

1/4
S14 | S13
1916

from which,

A cedar, 8 ins. diam., brs. N. 60 1/4° E.

50 lks. dist.; mkd. 1/4 S 13 B T.

A cedar, 9 ins. diam., brs. S. 16 1/4° W.

61 lks. dist.; mkd. 1/4 S 14 B T.

80.20 The cor. of secs. 13, 14, 23 and 24.

Land, rolling.

Soil, thin, dark loam, rocky, medium texture, solid lime-stone underlying top soil.

Timber, dense cedar and pinyon.

No undergrowth.

Poor grass.

From the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp., described in Book "B",

West on a true line bet. secs. 12 and 13, on the Coconino National Forest Reserve boundary.

Over rolling land, through dense timber.

Asc. gradual SE. slope, 62 ft. to

15.00 Thence over low rolling land.

30.00 Asc. gradual slope to

36.00 Spur slopes SW. Desc. W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 12
S 13
1916

from which,

A cedar, 8 ins. diam., brs. N. 37 1/2° E.

29 lks. dist.; mkd. 1/4 S 12 B T.

A cedar, limb, 5 ins. diam., brs. S. 9° W.

189 lks. dist.; mkd. 1/4 S 13 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, mkd. on brass cap

T21N R10E
S11 | S12
S14 | S13
1916

from which,

A cedar, 9 ins. diam., brs. N. 35 3/4° E.

75 lks. dist.; mkd. T 21 N R 10 E S 12 B T.

A cedar, 8 ins. diam., brs. S. 46° E.

99 lks. dist.; mkd. T 21 N R 10 E S 13 B T.

A cedar, 7 ins. diam., brs. S. 54° W.

87 lks. dist.; mkd. T 21 N R 10 E S 14 B T.

A cedar, 10 ins. diam., brs. N. 49 1/2° W.

140 lks. dist.; mkd. T 21 N R 10 E S 11 B T.

Land, rolling and hilly, general drainage, E.

Soil, poor, gravelly, coarse texture, volcanic ash on surface.

Timber, cedar and pinyon.

Undergrowth, scattering rabbit brush and mountain rush.

Good grass.

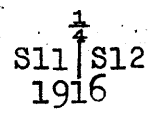
East of ... line bet. secs. 12 and 13.

... of ...

Chains

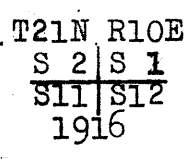
N. 0° 1' W. bet. secs. 11 and 12.
Over rolling prairie land, through scattering timber and undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap



from which,
 A cedar, 6 ins. diam., brs. S. 21° E.
 33 lks. dist.; mkd. 1/4 S 12 B T.
 A cedar, 4 ins. diam., brs. S. 77° W.
 70 lks. dist.; mkd. 1/4 S 11 B T.

45.00 Asc. gradual slope.
 47.49 Top of small knoll. Desc. gradual slope.
 63.88 Wagon road brs. NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, mkd. on brass cap



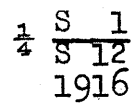
from which,
 A cedar, 4 ins. diam., brs. N. 44° E.
 125 lks. dist.; mkd. T 21 N R 10 E S 1 B T.
 A cedar, 6 ins. diam., brs. S. 29° E.
 31 lks. dist.; mkd. T 21 N R 10 E S 12 B T.
 A cedar, 8 ins. diam., brs. S. 39° W.
 103 lks. dist.; mkd. T 21 N R 10 E S 11 B T.
 A cedar, 5 ins. diam., brs. N. 26 3/4° W.
 72 lks. dist.; mkd. T 21 N R 10 E S 2 B T.

Land, rolling and hilly.
 Soil, volcanic ash.
 Timber, cedar and pinyon and juniper.
 Undergrowth, scattering rabbit brush.
 Fair grass.

40.00 East on a random line bet. secs. 1 and 12.
 79.96 Set temp. 1/4 sec. cor.
 Intersect N. bdy. of Tp., 15 lks. S. of the cor. of secs. 1, 6, 7 and 12, described in Book "B".

Thence
 S. 89° 53' W. on a true line bet. secs. 1 and 12.
 Over rolling land, through scattering timber and undergrowth.

13.99 Asc. gradual slope.
 39.98 Top of small spur slopes N.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap



from which,
 A cedar, 8 ins. diam., brs. N. 69 1/2° W.
 87 lks. dist.; mkd. 1/4 S 1 B T.
 A cedar, 10 ins. diam., brs. S. 38 3/4° W.
 115 lks. dist.; mkd. 1/4 S 12 B T.

46.80 Asc. 75 ft. to
 50.00 Spur slopes NW.
 52.18 Asc. 18 ft. to
 Top of main ridge brs. NW. and SE.

Chains

58.81 Wagon road brs. NE. and SW.
79.96 The cor. of secs. 1, 2, 11 and 12.
Land, rolling.
Soil, volcanic ash.
Timber, cedar and juniper.
Undergrowth, scattering rabbit brush.
Good grass.

40.00 N. 0° 1' W. on a random line bet. secs. 1 and 2.
Set temp. $\frac{1}{4}$ sec. cor.
80.12 Intersect N. bdy. of Tp. 16 lks. E. of the cor. of secs.
1, 2, 35 and 36, described in Book "H".
Thence
S. 0° 8' E. on a true line bet. secs. 1 and 2.
Over rolling prairie land, through scattering timber and
undergrowth.
25.00 Shallow draw, 1 chs. wide, course NE.
40.12 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ S\ 2\ | \ S\ 1 \\ 1916 \end{array}$$

from which,

A cedar, 5 ins. diam., brs. N. 60 $\frac{1}{4}$ ° E.
90 lks. dist.; mkd. $\frac{1}{4}$ S 1 B T.
A cedar, 6 ins. diam., brs. S. 86 $\frac{1}{2}$ ° W.
197 lks. dist.; mkd. $\frac{1}{4}$ S 2 B T.
Thence over grassy flat.
50.20 Leave grassy land, Asc. gradual slope, 88 ft.
62.40 Thence over gently rolling land.
80.12 The cor. of secs. 1, 2, 11 and 12.
Land, rolling.
Soil, volcanic ash.
Timber, scrub cedar and juniper.
Undergrowth, scattering rabbit brush.
Good grass.

From the cor. of secs. 26, 27, 34 and 35, hereinbefore
described,
S. 0° 1' E. on a true line bet. secs. 34 and 35.
Over gently rolling land, through dense timber.
33.10 Road brs. N. 10° W. and S. 10° E. Angell to Winslow.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
brass cap

$$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ S\ 34\ | \ S\ 35 \\ 1916 \end{array}$$

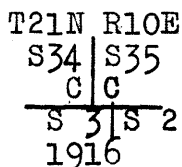
from which,

A cedar, 7 ins. diam., brs. S. 45 $\frac{3}{4}$ ° E.
107 lks. dist.; mkd. $\frac{1}{4}$ S 35 B T.
A cedar, 9 ins. diam., brs. S. 78 $\frac{1}{2}$ ° W.
72 lks. dist.; mkd. $\frac{1}{4}$ S 34 B T.
40.45 National Old Trails Highway, brs. N. 53° W. and S. 53° E.
to Flagstaff and Winslow.
77.37 Intersect 5th Standard Parallel N., 72 lks. S. 86° 55' W. of
the old standard cor. of secs. 34 and 35, changed to
Angle Point No. 4, as hereinbefore described.
At the point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the
ground, in a mound of stone, for closing cor. of secs.

Subdivision of T. 21 N., R. 10 E.

Chains

34 and 35, mkd. on brass cap



from which,

A pinyon, 12 ins. diam., brs. N. 16 $\frac{1}{2}$ ° E.

32 lks. dist.; mkd. T 21 N R 10 E S 35 C C B T.

A cedar, 5 ins. diam., brs. N. 63 $\frac{3}{4}$ ° W.

60 lks. dist.; mkd. T 21 N R 10 E S 34 C C B T.

Land, level.

10 to 20 ins. deep

Soil, thin, rocky loam, medium texture on solid limestone formation.

Timber, dense cedar and pinyon.

No undergrowth.

No grass.

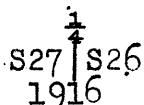
From the cor. of secs. 26, 27, 34 and 35,

N. 0° 1' W. bet. secs. 26 and 27.

Over level land, through dense timber.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



from which,

A cedar, 9 ins. diam., brs. N. 67 $\frac{3}{4}$ ° E.

89 lks. dist.; mkd. $\frac{1}{4}$ S 26 B T.

A cedar, 5 ins. diam., brs. S. 70 $\frac{1}{2}$ ° W.

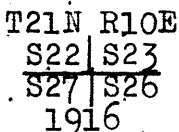
70 lks. dist.; mkd. $\frac{1}{4}$ S 27 B T.

77.20

Road brs. NE. and SW. Angell to Winslow.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 22, 23, 26 and 27, mkd. on brass cap



from which,

A cedar, 6 ins. diam., brs. N. 20 $\frac{3}{4}$ ° E.

41 lks. dist.; mkd. T 21 N R 10 E S 23 B T.

A cedar, 7 ins. diam., brs. S. 51 $\frac{1}{4}$ ° E.

148 lks. dist.; mkd. T 21 N R 10 E S 26 B T.

A cedar, 6 ins. diam., brs. S. 43 $\frac{1}{4}$ ° W.

81 lks. dist.; mkd. T 21 N R 10 E S 27 B T.

A cedar, 6 ins. diam., brs. N. 55 $\frac{1}{4}$ ° W.

85 lks. dist.; mkd. T 21 N R 10 E S 22 B T.

Land, level.

10 to 20 ins. deep

Soil, thin, dark loam, medium coarse texture on solid limestone formation.

Timber, dense cedar and pinyon.

No undergrowth.

Poor grass.

East on a random line bet. secs. 23 and 26.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

79.92

Intersect N. and S. line, 14 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Chains

Thence
 N. 89° 54' W. on a true line bet. secs. 23 and 26.
 Over level land, through dense timber.
 38.00 Swale course SE.
 39.96 Set an iron ost, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 23
 $\frac{1}{4}$ S 26
 1916

from which,
 A cedar, 7 ins. diam., brs. N. 14° E.
 88 lks. dist.; mkd. $\frac{1}{4}$ S 23 B T.
 A cedar, 7 ins. diam., brs. S. 12 $\frac{3}{4}$ ° W.
 54 lks. dist.; mkd. $\frac{1}{4}$ S 26 B T.

41.50 Old Indian ruins, on line.
 79.00 Road brs. NE. to Angell and SW. to Winslow.
 79.92 The cor. of secs. 22, 23, 26 and 27.
 Land, level.
 Soil, thin, dark loam, medium texture, on solid limestone
 formation.
 Timber, heavy cedar and pinyon.
 No undergrowth.
 Poor grass.

N. 0° 1' W. bet. secs. 22 and 23.
 Over level land, through dense timber.
 20.60 A. T. and S. F. Ry. water tank at Angell Station brs.
 N. 21° 18' E.
 25.00 Swale course SE.
 40;00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$\frac{1}{4}$
 S22 | S23
 1916

from which,
 A cedar, 6 ins. diam., brs. S. 35° E.
 115 lks. dist.; mkd. $\frac{1}{4}$ S 23 B T.
 A pinyon, 9 ins. diam., brs. S. 36 $\frac{1}{2}$ ° W.
 111 lks. dist.; mkd. $\frac{1}{4}$ S 22 B T.

46.60 Road brs. E. and W.
 46.90 Telephone line brs. E. and W. parallel to R. R. tracks.
 47.75 A. T. and S. F. Ry. signal line brs. E. and W. parallel to
 tracks.
 48.15 Telegraph line brs. E. and W.
 48.75 A. T. and S. F. Ry. siding brs. N. 87° 2' W. and S. 87° 2' E.
 49.04 A. T. and S. F. Ry. track brs. N. 87° 2' W. and S. 87° 2' E.
 49.13 A. T. and S. F. Ry. water tank at Angell Station brs.
 S. 84° 39' E.
 49.25 A. T. and S. F. Ry track brs. N. 87° 2' W. and S. 87° 2' E.
 49.70 Western Union Telegraph line parallels track.
 50.60 Swale course NE.
 65.40 Road brs. W. to Piper's Ranch and E. to Angell Station.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
 ground, in a mound of stone, for cor. of secs.
 14, 15, 22 and 23, mkd. on brass cap

T21N R10E
 S15 | S14
 S22 | S23
 1916

from which,
 A pinyon, 12 ins. diam., brs. N. 24 $\frac{3}{4}$ ° E.
 133 lks. dist.; mkd. T 21 N R 10 E S 14 B T.

Subdivision of T. 21 N., R. 10 E.

Chains

A cedar, 7 ins. diam., brs. S. $76\frac{3}{4}^{\circ}$ E.
 38 lks. dist.; mkd. T 21 NR 10 ES 23 BT.
 A cedar, 6 ins. diam., brs. S. $30\frac{3}{4}^{\circ}$ W.
 112 lks. dist.; mkd. T 21 NR 10 ES 22 BT.
 A pinyon, 9 ins. diam., brs. N. $37\frac{3}{4}^{\circ}$ W.
 54 lks. dist.; mkd. T 21 NR 10 ES 15 BT.

Land, gently rolling. 6 to 20 ins. deep
 Soil, thin dark loam, rocky on solid limestone formation.
 Timber, dense cedar and pinyon.
 No undergrowth.
 Poor grass.
 Drainage E.

40.00 East on a random line bet. secs. 14 and 23.
 79.86 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 7 lks. S. of the cor. of secs.
 13, 14, 23 and 24.

Thence
 S. $89^{\circ} 57'$ W. on a true line bet. secs. 14 and 23.
 Over gently rolling land, through dense timber.
 39.93 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$\frac{1}{4}$ S 14
 S 23
 1916

from which,
 A pinyon, 10 ins. diam., brs. N. $17\frac{1}{4}^{\circ}$ W.
 29 lks. dist.; mkd. $\frac{1}{4}$ S 14 BT.
 A cedar, 8 ins. diam., brs. S. $20\frac{1}{2}^{\circ}$ E.
 19 lks. dist.; mkd. $\frac{1}{4}$ S 23 BT.

64.85 Draw, course NE. Asc. 34 ft.
 77.90 Road brs. S. to Angell and NW. to La Barron's Ranch.
 79.86 The cor. of secs. 14, 15, 22 and 23.
 Land, gently rolling. 6 ins. to 2 ft. deep
 Soil, thin dark loam, rocky on solid limestone formation.
 Timber, dense cedar and pinyon.
 No undergrowth.
 Poor grass.

40.00 N. $0^{\circ} 1'$ W. on a random line bet. secs. 14 and 15.
 80.04 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. and W. line, 15 lks. W. of the cor. of secs.
 10, 11, 14 and 15, on the Coconino National Forest
 Reserve boundary, hereinafter described.

Thence
 S. $0^{\circ} 5'$ W. on a true line bet. secs. 14 and 15.
 Over gently rolling land, through dense timber.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$\frac{1}{4}$
 S15 | S14
 1916

from which,
 A cedar, 6 ins. diam., brs. N. $52\frac{1}{4}^{\circ}$ E.
 57 lks. dist.; mkd. $\frac{1}{4}$ S 14 BT.
 A cedar, 6 ins. diam., brs. N. $27\frac{1}{2}^{\circ}$ W.
 150 lks. dist.; mkd. $\frac{1}{4}$ S 15 BT.

67.40 Irrigation ditch course NE. to La Barron's Ranch.
 69.70 Road brs. NE. and SW. to La Barron's Ranch. Desc. 34 ft.
 73.50 Youngs Creek, course E. Asc. 33 ft.
 78.20 Road brs. NW. and SE.

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Subdivision of T. 21 N., R. 10 E.

Chains
80.04

The cor. of secs. 14, 15, 22 and 23, ¹/₄ sec. corner described.
Land, gently rolling. 6 ins. to 2 ft. deep
Soil, thin dark loam and rocky on solid limestone.
Timber, dense cedar and pinyon.
Undergrowth, none.
Poor grass.

10.00
24.80
37.40
40.00

From the cor. of secs. 11, 12, 13 and 14,
West on a true line along Coconino National Forest
Reserve bdy. bet. secs. 11 and 14.
Over rolling land, through dense timber.
Desc. W. slope, 52 ft.
Foot of slope brs. NW. and SE. Thence across level land.
Wash, course SE.
Old road brs. NE. and SW.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¹/₄ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 11
 $\frac{1}{4}$ S 14
1916

from which,

A cedar, 12 ins. diam., brs. N. 17 $\frac{1}{4}$ ° W.
67 lks. dist.; mkd. $\frac{1}{4}$ S 11 B T.

A cedar, 12 ins. diam., brs. S. 48 $\frac{3}{4}$ ° E.
100 lks. dist.; mkd. $\frac{1}{4}$ S 14 B T.

48.60
59.90
80.00

Irrigation ditch, 12 lks. wide, 1 ft. deep, course N.
Road brs. N. and S. to Angell Station.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 10, 11, 14 and 15, mkd. on
brass cap

T21N R10E
S10|S11
S15|S14
1916

from which,

A cedar, 10 ins. diam., brs. N. 43 $\frac{1}{4}$ ° E.
100 lks. dist.; mkd. T 21 N R 10 E S 11 B T.

A cedar, 10 ins. diam., brs. S. 60 $\frac{1}{4}$ ° E.
98 lks. dist.; mkd. T 21 N R 10 E S 14 B T.

A cedar, 9 ins. diam., brs. S. 29 $\frac{1}{4}$ ° W.
73 lks. dist.; mkd. T 21 N R 10 E S 15 B T.

A pinyon, 9 ins. diam., brs. N. 50° W.
98 lks. dist.; mkd. T 21 N R 10 E S 10 B T.

Land, rolling.
Soil, poor clay loam, medium texture, volcanic ash.
Timber, dense cedar and pinyon.
No undergrowth.
Grass, fair.

40.00

N. 0° 1' W. bet. secs. 10 and 11, ^{on} Coconino National Forest
Reserve Bdy.
Over gently rolling land, through dense timber.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¹/₄ sec. cor., mkd. on brass cap

$\frac{1}{4}$
S10|S11
1916

from which,

A cedar, 10 ins. diam., brs. S. 35 $\frac{1}{2}$ ° E.
28 lks. dist.; mkd. $\frac{1}{4}$ S 11 B T.

Subdivision of T. 21 N., R. 10 E.

Chains

60.00 A cedar, 7 ins. diam., brs. S. 80° W.
 27 lks. dist.; mkd. $\frac{1}{4}$ S 10 B T.
 Asc. gradual slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 2, 3, 10 and 11, mkd. on
 brass cap

T21N R10E
 S 3 | S 2
 S10 | S11
 1916

from which,
 A cedar, 7 ins. diam., brs. N. 87 $\frac{3}{4}$ ° E.
 203 lks. dist.; mkd. T 21 N R 10 E S 2 B T.
 A cedar, 7 ins. diam., brs. S. 20 $\frac{1}{4}$ ° E.
 282 lks. dist.; mkd. T 21 N R 10 E S 11 B T.
 No other trees within limits.
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, clay loam and rocky, coarse texture, volcanic ash on
 surface, hardpan subsoil.
 Timber, dense cedar and pinyon to 50 chs., remainder scatter-
 ing.
 Undergrowth, rabbit brush.
 Fair grass.

40.00 East on a random line bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 1, 2, 11 and 12.
 Thence
 S. 89° 58' W. on a true line bet. secs. 2 and 11.
 Over rolling land, through scattering timber and under-
 growth.
 40.01 Desc. gradual slope, 56 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$\frac{1}{4}$ S 2
 S 11
 1916

from which,
 A cedar, 5 ins. diam., brs. N. 14 $\frac{1}{2}$ ° E.
 317 lks. dist.; mkd. $\frac{1}{4}$ S 2 B T.
 A cedar, 8 ins. diam., brs. S. 31° W.
 201 lks. dist.; mkd. $\frac{1}{4}$ S 11 B T.
 46.00 Irrigation ditch, 5 lks. wide, 1 ft. deep, course N., in
 46.50 Road brs. N. and S. to Angell Station. bottom of hollow,
 Asc. gradual slope, 80 ft. course N.
 80.02 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling.
 Soil, poor, gravelly, rocky, coarse texture.
 Timber, scattering cedar and pinyon.
 Undergrowth, scattering rabbit brush.
 Fair grass.

40.00 N. 0° 1' W. on a random line bet. secs. 2 and 3.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.19 Intersect N. bdy. of Tp., 12 lks. E. of the cor. of secs.
 2, 3, 34 and 35, described in Book "H".
 Thence
 S. 0° 6' E. bet. secs. 2 and 3.
 Over rolling land, through scattering timber and under-
 growth.

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Subdivision of T. 21 N. R. 10 E.

Chains	
36.50	Lava ledge on line, 10 ft. high; brs. E. 40 lks. and W. 60 lks. dist.
40.19	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
	$\begin{array}{c} \frac{1}{4} \\ S \ 3 \ S \ 2 \\ 1916 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.19	The cor. of secs. 2, 3, 10 and 11. Land, gently rolling. Soil, poor clay loam, rocky, coarse texture, volcanic ash on surface. Timber, scattering scrub cedars. Undergrowth, scattering rabbit brush. Good grass.
40.00	From the cor. of secs. 27, 28, 33 and ^{on} 34 sectional correction line, S. $0^{\circ} 2'$ E. on a random line bet. secs. 33 and 34. Set temp. $\frac{1}{4}$ sec. cor.
81.72	Intersect 5th Standard Parallel N., 14 lks. E. of the standard cor. of secs. 33 and 34, hereinbefore described.
	Thence N. $0^{\circ} 4'$ E. on a true line bet. secs. 33 and 34. Over rolling land, through dense timber. Asc. gradually.
4.93	Top of knoll. Desc. 64 ft. to
6.00	Thence over gently rolling land.
41.72	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
	$\begin{array}{c} \frac{1}{4} \\ S \ 33 \ S \ 34 \\ 1916 \end{array}$
	from which, A pinyon, 8 ins. diam., brs. N. $72\frac{3}{4}^{\circ}$ E. 86 lks. dist.; mkd. $\frac{1}{4}$ S 34 B T. A pinyon, 8 ins. diam., brs. S. $50\frac{1}{2}^{\circ}$ W. 58 lks. dist.; mkd. $\frac{1}{4}$ S 33 B T.
59.87	Draw, course NE.
77.72	Old Indian Ruins on line.
81.72	The cor. of secs. 27, 28, 33 and 34. Land, gently rolling. Soil, coarse texture, limestone subsoil. Timber, scrub cedar and pinyon. No undergrowth. Good grass.
6.00	N. $0^{\circ} 2'$ W. bet. secs. 27 and 28. Over level land, through dense timber.
11.85	Small draw, 1 ch. wide, course NE.
40.00	Wagon road brs. NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
	$\begin{array}{c} \frac{1}{4} \\ S \ 28 \ S \ 27 \\ 1916 \end{array}$
	from which,

Subdivision of T. 21 N., R. 10 E.

Chains

69.60 A cedar, 10 ins. diam., brs. N. $47\frac{1}{2}^{\circ}$ E.
 76.40 79 lks. dist.; mkd. $\frac{1}{4}$ S 27 B T.
 80.00 A cedar, 14 ins. diam., brs. S. $51\frac{1}{4}^{\circ}$ W.
 57 lks. dist.; mkd. $\frac{1}{4}$ S 28 B T.
 Sandy wash, 40 lks. wide, course NE.
 Wagon road brs. NE. and SW.
 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, in a mound of stone, for cor. of secs. 21, 22, 27 and 28, mkd. on brass cap

T21N R10E
 S21 | S22
 S28 | S27
 1916

from which,
 A pinyon, 12 ins. diam., brs. N. 13° E.
 190 lks. dist.; mkd. T 21 N R 10 E S 22 B T.
 A cedar, 6 ins. diam., brs. S. $9\frac{3}{4}^{\circ}$ E.
 61 lks. dist.; mkd. T 21 N R 10 E S 27 B T.
 A cedar, 8 ins. diam., brs. S. 33° W.
 79 lks. dist.; mkd. T 21 N R 10 E S 28 B T.
 A pinyon, 12 ins. diam., brs. N. 27° W.
 112 lks. dist.; mkd. T 21 N R 10 E S 21 B T.
 Land, nearly level.
 Soil, coarse texture, sandstone subsoil.
 Timber, scrub cedar and pinyon.
 No undergrowth.
 Fair grass.

40.00 East on a random line bet. secs. 22 and 27.
 80.10 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 21 lks. S. of cor. of secs. 22, 23, 26 and 27.
 Thence
 S. $89^{\circ} 51'$ W. on a true line bet. secs. 22 and 27.
 Over gently rolling land, through scattering timber.
 .80 Old road brs. N. and S.
 20.10 Sandy draw, 1 ch. wide, course NE.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S. 22
 $\frac{1}{4}$ S. 27
 1916

75.95 from which,
 77.30 A pinyon, 12 ins. diam., brs. N. 32° E.
 80.10 123 lks. dist.; mkd. $\frac{1}{4}$ S 22 B T.
 A pinyon, 6 ins. diam., brs. S. 52° E.
 20 lks. dist.; mkd. $\frac{1}{4}$ S 27 B T.
 Sandy wash, 40 lks. wide, course NE.
 Wagon road brs. NE. and SW.
 The cor. of secs. 21, 22, 27 and 28.
 Land, gently rolling.
 Soil, coarse texture, limestone subsoil.
 Timber, scrub cedar and pinyon.
 No undergrowth.
 Fair grass.

15.51 N. $0^{\circ} 2'$ W. bet. secs. 21 and 22.
 40.00 Over gently rolling land, through scattering timber.
 Wagon road brs. NE. and SW.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

22

Subdivision of T. 21 N., R. 10 E.

Chains

$$\begin{array}{c} \frac{1}{4} \\ \hline S21 | S22 \\ \hline 1916 \end{array}$$

from which,

A cedar, 5 ins. diam., brs. S. $88\frac{1}{2}^{\circ}$ E.21 lks. dist.; mkd. $\frac{1}{4}$ S 22 B T.A cedar, 6 ins. diam., brs. S. $63\frac{1}{2}^{\circ}$ W.92 lks. dist.; mkd. $\frac{1}{4}$ S 21 B T.

- 48.00 Wagon road brs. E. and W.
 Mountain States Telephone line brs. E. and W.
 48.65 A. T. and S. F. Ry. fence line along right-of-way, brs. E. and W.
 49.39 Postal telegraph line brs. N. $89^{\circ} 39' W.$ and S. $89^{\circ} 39' E.$
 50.16 Main track of A. T. and S. F. Ry. brs. N. $89^{\circ} 39' W.$ and S. $89^{\circ} 39' E.$ (West bound).
 50.36 Track of A. T. and S. F. Ry. brs. N. $89^{\circ} 39' W.$ and S. $89^{\circ} 39' E.$ (East bound).
 50.93 Western Union Telegraph line brs. E. and W. parallel to tracks.
 51.67 A. T. and S. F. Ry. fence along right-of-way brs. E. and W.
 71.45 Wagon road brs. NW. and SE.
 76.70 S. rim-rock of Youngs Canyon brs. E. and W. Desc. 40 ft. into canyon.
 77.95 Bottom of canyon. Youngs Creek course E.
 80.00 N. rim-rock of canyon brs. E. and W.
 Note: Hieroglyphic writing is found on the rocks along canyon at this point.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of secs. 15, 16, 21 and 22, mkd. on brass cap

$$\begin{array}{c} T21 N R10 E \\ \hline S16 | S15 \\ \hline S21 | S22 \\ \hline 1916 \end{array}$$

from which,

A cedar, 10 ins. diam., brs. N. 17° E.

65 lks. dist.; mkd. T 21 N R 10 E S 15 B T.

A pinyon, 36 ins. diam., brs. S. $6\frac{3}{4}^{\circ}$ E.

205 lks. dist.; mkd. T 21 N R 10 E S 22 B T.

A cedar, 10 ins. diam., brs. S. $15\frac{1}{2}^{\circ}$ W.

173 lks. dist.; mkd. T 21 N R 10 E S 21 B T.

A pinyon, 14 ins. diam., brs. N. $35\frac{1}{4}^{\circ}$ W.

134 lks. dist.; mkd. T 21 N R 10 E S 16 B T.

Land, gently rolling.

Soil, coarse texture, rocky, limestone subsoil.

Timber, scrub cedar and pinyon.

Fair grass.

No undergrowth.

- 40.00 East on a random line bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.97 Intersect. N. and S. line, 17 lks. S. of the cor. of secs. 14, 15, 22 and 23,
 Thence
 S. $89^{\circ} 52' W.$ on a true line bet. secs. 15 and 22.
 Over rolling land, through dense timber.
 3.40 Youngs Canyon, 70 lks. wide, course NE.
 6.30 La Barron's tank ditch, 18 lks. wide, 2 ft. deep, course NE.
 7.90 Wagon road brs. NE. and SW.
 39.98 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$$\begin{array}{c} \frac{1}{4} S 15 \\ \hline S 22 \\ \hline 1916 \end{array}$$

Chains

from which,
 A cedar, 8 ins. diam., brs. N. 76° W.
 59 lks. dist.; mkd. $\frac{1}{4}$ S 15 B T.
 A cedar, 8 ins. diam., brs. S. 70 $\frac{1}{2}$ ° W.
 51 lks. dist.; mkd. $\frac{1}{4}$ S 22 B T.
 63.34 N. rim-rock of Young's Canyon brs. NW. and SE. Desc. 40 ft.
 65.00 Bottom of Young's canyon, course SE. from SW. Desc. 70 ft.
 74.22 N. rim of same, brs. NW. and SW.
 79.97 The cor. of secs. 15, 16, 21 and 22.
 Land, rolling.
 Soil, coarse texture, malpais stone on surface.
 Timber, scrub cedar and pinyon.
 No undergrowth.
 Fair grass.

40.00 N. 0° 2' W. bet. secs. 15 and 16.
 Over gently rolling land, through dense timber.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S16 | S15
 1916

65.00 from which,
 A cedar, 6 ins. diam., brs. S. 49° E.
 66 lks. dist.; mkd. $\frac{1}{4}$ S 15 B T.
 A cedar, 8 ins. diam., brs. S. 79 $\frac{1}{2}$ ° W.
 70 lks. dist.; mkd. $\frac{1}{4}$ S 16 B T.
 80.00 Asc. S. slope of hill.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 9, 10, 15 and 16, mkd. on
 brass cap

T21N R10E
 S 9 | S10
 S16 | S15
 1916

from which,
 A cedar, 6 ins. diam., brs. N. 24° E.
 106 lks. dist.; mkd. T 21 N R 10 E S 10 B T.
 A cedar, 7 ins. diam., brs. S. 45 $\frac{3}{4}$ ° E.
 141 lks. dist.; mkd. T 21 N R 10 E S 15 B T.
 A cedar, 8 ins. diam., brs. S. 74 $\frac{3}{4}$ ° W.
 169 lks. dist.; mkd. T 21 N R 10 E S 16 B T.
 A cedar, 12 ins. diam., brs. N. 60 $\frac{1}{4}$ ° W.
 203 lks. dist.; mkd. T 21 N R 10 E S 9 B T.
 Land, gently rolling.
 Soil, coarse gravel.
 Timber, scrub cedar and pinyon.
 Fair grass.
 No undergrowth.

40.00 East on a random line bet. secs. 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 11 lks. N. of cor. of secs. 10,
 11, 14 and 15.
 Thence
 N. 89° 55' W. on a true line bet. secs. 10 and 15.
 Over gently rolling land, through scrub timber.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

Chains

$\frac{1}{4}$ S 10
S 15
1916

from which,

A cedar, 4 ins. diam., brs. N. $76\frac{1}{2}^\circ$ W.

81 lks. dist.; mkd. $\frac{1}{4}$ S 10 B T.

A cedar, 5 ins. diam., brs. S. $35\frac{1}{2}^\circ$ W.

156 lks. dist.; mkd. $\frac{1}{4}$ S 15 B T.

Asc. gradual slope.

65.00 Sandy draw, course S.

80.00 The cor. of secs. 9, 10, 15 and 16.

Land, gently rolling.

Soil, coarse gravel.

Timber, scrub cedar and pinyon.

No undergrowth.

Grass, good.

N. $0^\circ 2'$ W. on a random line bet. secs. 9 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.89 Intersect Coconino National Forest Reserve bdy. at the cor. of secs. 3, 4, 9 and 10, hereinafter described.

Thence S. $0^\circ 2'$ E. on a true line bet. secs. 9 and 10.

Over gently rolling land, through dense timber.

Asc. gradual slope.

12.90 Top of spur slopes SE. Desc. 161 ft.

20.50 Over rolling land, to

25.50 Bottom of hollow, course W. Asc. N. slope, 226 ft.

39.94 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
S 9 | S 10
1916

from which,

A pinon, 8 ins. in diam., brs. N. 20° E., 59 lks. dist., marked $\frac{1}{4}$ S 10 B T.

A pinon, 8 ins. in diam., brs. N. 19° W., 84 lks. dist., marked $\frac{1}{4}$ S 9 B T.

Asc. 196 ft. to

50.20 Top of hill brs. E. and W.

51.80 Rim-rock of N. rim of crater brs. E. and W.

60.60 Rim of crater brs. SW. and NE. Asc. 68 ft.

64.40 E. M. Piper's house brs. S. 51° W.

Top of spur slopes SW. Desc. 258 ft. to

79.89 The cor. of secs. 9, 10, 15 and 16.

Land, rolling mountainous.

Soil, rocky coarse texture.

Timber, scrub cedar and pinyon.

No undergrowth.

Fair grass.

From the cor. of secs. 2, 3, 10 and 11,
West on a true line along Coconino National Forest Reserve,
bdy. bet. secs. 3 and 10.

Over rolling land, through dense timber and scattering
undergrowth.

Asc. gradual slope. 46 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 3
S 10
1916

from which,

Subdivision of T. 21 N., R. 10 E.

Chains

A cedar, 6 ins. diam., brs. N. $15\frac{1}{2}^\circ$ W.
 60 lks. dist.; mkd. $\frac{1}{4}$ S 3 B T.
 A cedar, 10 ins. diam., brs. S. $70\frac{3}{4}^\circ$ W.
 171 lks. dist.; mkd. $\frac{1}{4}$ S 10 B T.
 Asc. gradual E. slope, 63 ft.
 Asc. steep E. slope, 109 ft. to
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 3, 4, 9 and 10, mkd. on
 brass cap

70.00
80.00

T21N R10E
 S 4 | S 3
 S 9 | S 10
 1916

from which,
 A cedar, 7 ins. diam., brs. N. $27\frac{1}{2}^\circ$ E.
 144 lks. dist. p mkd. T 21 N R 10 E S 3 B T.
 A cedar, 7 ins. diam., brs. S. 72° E.
 480 lks. dist.; mkd. T 21 N R 10 E S 10 B T.
 A cedar, 6 ins. diam., brs. S. 29° W.
 71 lks. dist.; mkd. T 21 N R 10 E S 9 B T.
 A cedar, 4 ins. diam., brs. N. $57\frac{1}{4}^\circ$ W.
 341 lks. dist.; mkd. T 21 N R 10 E S 4 B T.

Land, rolling mountainous, general drainage, E.
 Soil, poor, clay loam and gravelly, coarse texture.
 Timber, medium growth of cedar and pinyon.
 Undergrowth, scattering rabbit brush.
 Good grass.

40.00
80.14

N. $0^\circ 2'$ W. on a random line bet. secs. 3 and 4.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. bdy. of Tp., 12 lks. E. of the cor. of secs.
 3, 4, 33 and 34, described in Book "H". Thence,
 S. $0^\circ 7'$ E., on a true line, bet. secs. 3 and 4, on Coconino Na-
 tional Forest Reserve boundary.

Over rolling mountainous land, through dense timber and
 scattering undergrowth.

40.14

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 4 | S 3 (Leave heavy timber,
 1916 bears E. and W.)

from which,
 A cedar, 5 ins. diam., brs. S. $52\frac{1}{4}^\circ$ E.
 121 lks. dist.; mkd. $\frac{1}{4}$ S 3 B T.
 A cedar, 7 ins. diam., brs. N. $80\frac{1}{4}^\circ$ W.
 717 lks. dist.; mkd. $\frac{1}{4}$ S 4 B T.

45.10
80.14

Asc. 227. ft. to
 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling and mountainous.
 Soil, clay loam, rocky coarse texture, volcanic ash on sur-
 face.
 Timber, cedar and pinyon.
 Undergrowth, scattering rabbit brush.
 Fair grass.

40.00

From the cor. of secs. 28, 29, 32 and 33, on sectional
 correction line,
 S. $0^\circ 3'$ E. on true line, bet. secs. 32 and 33.
 Over level land, through dense timber.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 32 | S 33
 1916

26

Subdivision of T. 21 N., R. 10 E.

Chains

from which,

A pinyon, 14 ins. diam., brs. S. $46\frac{1}{2}^\circ$ E.

90 lks. dist.; mkd. $\frac{1}{4}$ S 33 B T.

A cedar, 12 ins. diam., brs. S. 62° W.

57 lks. dist.; mkd. $\frac{1}{4}$ S 32 B T.

Asc. gradual slope.

47.29

Rim of mesa brs. NW. and SE.

87.50

Intersect 5th Standard Parallel N., 63 lks. N. $84^\circ 53'$ E. of the old standard cor. of secs. 32 and 33, reestablished as Angle Point No. 8, as hereinbefore described.

At the point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 32 and 33, mkd. on brass cap

T21N R10E	
S32	S33
C	C
S 5	
1916	

from which,

A pinyon, 10 ins. diam., brs. N. $67\frac{3}{4}^\circ$ E.

50 lks. dist.; mkd. T 21 N R 10 E S 33 C C B T.

A pinyon, 9 ins. diam., brs. N. $\frac{1}{2}^\circ$ W.

90 lks. dist.; mkd. T 21 N R 10 E S 32 C C B T.

Land, gently rolling.

Soil, coarse texture.

Timber, cedar and pinyon.

No undergrowth.

Fair grass.

From cor. of secs. 28, 29, 32 and 33,

N. $0^\circ 3'$ W. bet. secs. 28 and 29.

Over level land, through scrub timber.

23.80

Old road brs. NE. and SW.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S29	S28
1916	

from which,

A cedar, 8 ins. diam., brs. N. $36\frac{1}{2}^\circ$ E.

73 lks. dist.; mkd. $\frac{1}{4}$ S 28 B T.

A cedar, 14 ins. diam., brs. N. $89\frac{1}{4}^\circ$ W.

82 lks. dist.; mkd. $\frac{1}{4}$ S 29 B T.

40.82

Wagon road brs. NW. and SE.

44.10

Draw, course NE. Ascend.

52.88

Top of spur, slopes SE.

62.05

E. M. Calcord's ranch house brs. S. 61° W.

67.05

Wagon road brs. NE. and SW.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, mkd. on brass cap

T21N R10E	
S20	S21
S29	S28
1916	

from which,

A cedar, 10 ins. diam., brs. N. $1\frac{1}{2}^\circ$ E.
108 lks. dist.; mkd. T 21 N R 10 E S 21 B T.

A cedar, 16 ins. diam., brs. S. $75\frac{1}{4}^\circ$ E.

89 lks. dist.; mkd. T 21 N R 10 E S 28 B T.

A cedar, 8 ins. diam., brs. S. $26\frac{3}{4}^\circ$ W.

74 lks. dist.; mkd. T 21 N R 10 E S 29 B T.

A cedar, 6 ins. diam., brs. N. $65\frac{1}{2}^\circ$ W.

56 lks. dist.; mkd. T 21 N R 10 E S 20 B T.

Chains

Land, level and rolling.
Soil, sandy loam, limestone subsoil.
Timber, dense cedar and pinyon.
No undergrowth.
Fair grass.

40.00 East on a random line bet. secs. 21 and 28.
79.95 Set temp. $\frac{1}{4}$ sec. cor.
Intersect the cor. of secs. 21, 22, 27
and 28.
Thence
West on a true line bet. secs. 21 and 28.
Over rolling land, through scrub timber.
27.80 Wagon road brs. NW. and SE.
36.95 Wagon road brs. NE. and SW.
39.97 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 21
S 28
1916

from which,
A cedar, 5 ins. diam., brs. S. 76 $\frac{1}{4}$ ° E.
41 lks. dist.; mkd. $\frac{1}{4}$ S 28 B T.
A cedar, 8 ins. diam., brs. N. 62° W.
39 lks. dist.; mkd. $\frac{1}{4}$ S 21 B T.

79.95 The cor. of secs. 20, 21, 28 and 29.
Land, gently rolling.
Soil, coarse texture.
Timber, cedar and pinyon.
No undergrowth.
Fair grass.

22.50 N. 0° 3' W. bet. secs. 20 and 21.
Over level land, through scrub timber.
40.00 Old Indian Ruins bear E. 150 lks. dist.
Set an iron post, 3 ft long, 1 ins. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
S20 | S21
1916

from which,
A cedar, 12 ins. diam., brs. S. 21 $\frac{1}{2}$ ° E.
44 lks. dist.; mkd. $\frac{1}{4}$ S 21 B T.
A cedar, 10 ins. diam., brs. N. 3 $\frac{1}{2}$ ° W.
271 lks. dist.; mkd. $\frac{1}{4}$ S 20 B T.

42.18 Pine tree 9 ins. diam., on line, marked for line tree.
49.00 Mountain States Telephone line bears N. 89° 34' W. and
S. 89° 34' E.
49.09 A. T. and S. F. Ry. fence along right-of-way brs. E. and W.
49.80 Postal Telegraph line brs. N. 89° 34' W. and S. 89° 34' E.
50.60 A. T. and S. F. Ry. track brs. N. 89° 34' W. and S. 89° 34' E.
50.80 A. T. and S. F. Ry. track brs. N. 89° 34' W. and S. 89° 34' E.
51.40 Western Union Telegraph line brs. N. 89° 34' W. and S.
89° 34' E.
52.08 Right-of-way fence brs. E. and W.
80.00 A cedar, 12 ins. diam., for cor. of secs. 16, 17, 20 and
21, mark same

T21N S16 on NE.,
R10E S21 on SE.,
S20 on SW., and
S17 on NW. side, with 3 notches
on S. and 4 notches on E. side; from which,

Chains

- A pinyon, 12 ins. diam., brs. N. $38\frac{3}{4}^{\circ}$ E.
27 lks. dist.; mkd. T 21 N R 10 E S 16 B T.
- A pinyon, 7 ins. diam., brs. S. 36° E.
130 lks. dist.; mkd. T 21 N R 10 E S 21 B T.
- A pinyon, 8 ins. diam., brs. S. $40\frac{1}{2}^{\circ}$ W.
59 lks. dist.; mkd. T 21 N R 10 E S 20 B T.
- A pinyon, 8 ins. diam., brs. N. 86° W.
49 lks. dist.; mkd. T 21 N R 10 E S 17 B T.

Land, level.
Soil, coarse to sandy loam.
Timber, dense scrub cedar and pinyon.
No undergrowth.
Sparse grass.

- 40.00 East on a random line bet. secs. 16 and 21.
- 80.00 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 2 lks. N. of cor. of secs. 15, 16,
21 and 22.

Thence

- N. $89^{\circ} 59'$ W. on a true line bet. secs. 16 and 21.
Over gently rolling land, through dense timber.
- 9.50 Young's Canyon, 50 lks. wide, course SE.
- 19.50 Old road brs. NW. and SE.
- 31.10 Wagon road brs. NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 16
S 21
1916

from which,

- A pinyon, 10 ins. diam., brs. N. 11° W.
44 lks. dist.; mkd. $\frac{1}{4}$ S 16 B T.
- A pinyon, 14 ins. diam., brs. S. $58\frac{1}{2}^{\circ}$ E.
45 lks. dist.; mke. $\frac{1}{4}$ S 21 B T.

- 80.00 The cor. of secs. 16, 17, 20 and 21.

Land, gently rolling.
Soil, coarse gravel.
Timber, scrub cedar and pinyon.
No undergrowth.
Fair grass.

- N. $0^{\circ} 3'$ W. bet. secs. 16 and 17.
Over level land, through dense timber.
- 23.00 Wagon road brs. NE. and SW.
- 25.60 Young's Canyon, 3 ft. deep, 40 lks. wide, course NE.
- 28.33 Wire fence brs. NW. and SE.
- 32.00 E. M. Piper's house brs. E. about 3 chs. dist.
Leave timber.
- 36.60 Wagon road brs. NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
S 17 S 16
1916

from which,

- A cedar, 6 ins. diam., brs. S. 80° W.
205 lks. dist.; mkd. $\frac{1}{4}$ S 17 B T.
- No other trees within limits.
- Dig pits, 18 X 18 X 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.
- 40.50 NW. cor. of small field brs. E. 1 ch. dist.

Chains

50.00 Wire fence brs. NE. and SW.
 55.64 Old road brs. NW. and SE.
 56.00 Enter timber.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, mkd. on brass cap

T21N R10E
 S 8 | S 9
 S17 | S16
 1916

from which,

A cedar, 6 ins. diam., brs. N. $22\frac{1}{2}^{\circ}$ E.
 91 lks. dist.; mkd. T 21 N R 10 E S 9 B T.
 A cedar, 10 ins. diam., brs. S. $77\frac{1}{2}^{\circ}$ E.
 80 lks. dist.; mkd. T 21 N R 10 E S 16 B T.
 A cedar, 10 ins. diam., brs. S. $62\frac{1}{4}^{\circ}$ W.
 136 lks. dist.; mkd. T 21 N R 10 E S 17 B T.
 A cedar, 12 ins. diam., brs. N. $77\frac{1}{4}^{\circ}$ W.
 58 lks. dist.; mkd. T 21 N R 10 E S 8 B T.

Land, level.

Soil, coarse loam, 16 to 26 ins. deep.

Timber, dense scrub cedar and pinyon.

No undergrowth.

Good grass.

40.00 East on a random line bet. secs. 9 and 16.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.09 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 9, 10, 15 and 16.
 Thence
 N. $89^{\circ} 59'$ W. on a true line bet. secs. 9 and 16.
 Over level land, through dense timber.
 20.00 Asc. 34 ft. to
 24.97 Top of slopes brs. SE. and NW.
 40.04 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 9
 S 16
 1916

from which,

A pinyon, 8 ins. diam., brs. N. $25\frac{3}{4}^{\circ}$ W.
 81 lks. dist.; mkd. $\frac{1}{4}$ S 9 B T.
 A pinyon, 10 ins. diam., brs. S. $9\frac{1}{2}^{\circ}$ E.
 98 lks. dist.; mkd. $\frac{1}{4}$ S 16 B T.

50.00 Desc. 74 ft. to
 60.00 Thence over level land.
 80.09 The cor. of secs. 8, 9, 16 and 17.
 Land, gently rolling.
 Soil, coarse gravel, 18 to 20 ins. deep.
 Timber, scrub cedar and pinyon.
 No undergrowth.
 Good grass.

40.00 N. $0^{\circ} 3'$ W. bet. secs. 8 and 9.
 Over level land, through dense timber.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 8 | S 9
 1916

30

Subdivision of T. 21 N., R. 10 E.

Chains

80.00 from which,
 A cedar, 8 ins. diam., brs. S. $31\frac{1}{2}^{\circ}$ E.
 19 lks. dist.; mkd. $\frac{1}{4}$ S 9 B T.
 A cedar, 12 ins. diam., brs. S. 16° W.
 22 lks. dist.; mkd. $\frac{1}{4}$ S 8 B T.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, mkd. on brass cap

T21N R10E
 $\begin{array}{r|l} S & 5 \\ \hline S & 8 \end{array} \begin{array}{r|l} S & 4 \\ \hline S & 9 \end{array}$
 1916

from which,
 A cedar, 12 ins. diam., brs. N. 51° E.
 116 lks. dist.; mkd. T 21 N R 10 E S 4 B T.
 A cedar, 12 ins. diam., brs. S. $71\frac{3}{4}^{\circ}$ E.
 81 lks. dist.; mkd. T 21 N R 10 E S 9 B T.
 A cedar, 8 ins. diam., brs. S. 20° W.
 79 lks. dist.; mkd. T 21 N R 10 E S 8 B T.
 A cedar, 12 ins. diam., brs. N. 42° W.
 59 lks. dist.; mkd. T 21 N R 10 E S 5 B T.
 Land, gently rolling.
 Soil, coarse texture.
 Timber, scrub cedar and pinyon.
 Undergrowth, none.
 Good grass.

East on a random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.99 Intersect N. and S. line, 12 lks. N. of the cor. of secs. 3, 4, 9 and 10.
 Thence
 N. $89^{\circ} 55'$ W. on a true line bet. secs. 4 and 9.
 Over rolling mountainous land, through scrub timber.
 Asc. 100 ft. to
 8.00 Top of ridge brs. NW. and SE.
 Talchaco brs. N. $71^{\circ} 8'$ E. Desc. 289 ft.
 39.99 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4} \begin{array}{r|l} S & 4 \\ \hline S & 9 \end{array}$
 1916

from which,
 A pinyon, 8 ins. diam., brs. N. 20° E.
 9 lks. dist.; mkd. $\frac{1}{4}$ S 4 B T.
 A pinyon, 10 ins. diam., brs. S. 7° W.
 46 lks. dist.; mkd. $\frac{1}{4}$ S 9 B T.
 Asc. gradual slope.
 72.60 Top of ridge brs. N. and S. Desc. 53 ft.
 79.99 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling mountainous.
 Soil, coarse gravel and cinders.
 Timber, scrub cedar and pinyon.
 No undergrowth.
 Thin grass.

40.00 N. $0^{\circ} 3'$ W. on a random line bet. secs. 4 and 5.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect N. bdy. of Tp., 22 lks. E. of cor. of secs. 4, 5, 32 and 33, described in Book "H",

Subdivision of T. 21 N., R. 10 E.

Chains

Thence

40.16 S. 0° 12' E. on a true line bet. secs. 4 and 5.
Over gently rolling land, through scrub timber.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4
S 5 | S 4
1916

from which,

80.16 A cedar, 12 ins. diam., brs. S. 13° E.
25 lks. dist.; mkd. 1/4 S 4 B T.
A pinyon, 12 ins. diam., brs. N. 45 1/2° W.
63 lks. dist.; mkd. 1/4 S 5 B T.

The cor. of secs. 4, 5, 8 and 9.
Land, gently rolling.
Soil, coarse gravel, 16 to 20 ins. deep.
Timber, scrub cedar and pinyon.
No undergrowth.
Fair grass.

5.80 From the cor. of secs. 29, 30, 31 and 32, on sectional
40.00 correction line,
S. 0° 3' E. on a true line bet. secs. 31 and 32.
Over gently rolling land, through scrub timber.
Wash, 20 lks. wide, 4 ft. deep, course NE.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4
S 31 | S 32
1916

from which,

75.68 A pinyon, 10 ins. diam., brs. S. 25° E.
57 lks. dist.; mkd. 1/4 S 32 B T.
93.66 A cedar, 10 ins. diam., brs. S. 86 1/4° W.
85 lks. dist.; mkd. 1/4 S 31 B T.

Old road brs. NE. and SW.
Intersect 5th Standard Parallel N., 103 lks. N. 85° 52' E.
of the old std. cor. of secs. 31 and 32, reestablished as
Angle Point No. 10, as hereinbefore described.
At the point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 31 and 32, mkd. on brass cap

T21N R10E
S 31 | S 32
C | C
S 5
1916

from which,

A pinyon, 12 ins. diam., brs. N. 71 1/2° E.
22 lks. dist.; mkd. T 21 N R 10 E S 32 C C B T
A pinyon, 16 ins. diam., brs. N. 20 1/4° W.
17 lks. dist.; mkd. T 21 N R 10 E S 31 C C B T
Land, gently rolling.
Soil, coarse, sandy, sandstone subsoil.
Timber, scrub pinyon and cedar.
No undergrowth.
Fair grass.

32

Subdivision of T. 21 N. R. 10 E.

Chains	From cor. of secs. 29, 30, 31 and 32, N. 0° 3' W. bet. secs. 29 and 30. Over level land, through scrub timber.
19.70	Wagon road brs. NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
	$\begin{array}{c} \frac{1}{4} \\ \text{S30} \uparrow \text{S29} \\ 1916 \end{array}$
	from which,
	A pinyon, 14 ins. diam., brs. S. 24 $\frac{1}{4}$ ° E. 118 lks. dist.; mkd. $\frac{1}{4}$ S 29 B T.
	A pinyon, 5 ins. diam., brs. N. 70° W. 29 lks. dist.; mkd. $\frac{1}{4}$ S 30 B T.
60.00	Flat sandy draw, 1 ch. wide, course NE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, mkd. on brass cap
	$\begin{array}{c} \text{T21N R10E} \\ \text{S19} \mid \text{S20} \\ \text{S30} \mid \text{S29} \\ 1916 \end{array}$
	from which,
	A cedar, 8 ins. diam., brs. N. 53° E. 147 lks. dist.; mkd. T 21 N R 10 E S 20 B T.
	A pinyon, 10 ins. diam., brs. S. 2 $\frac{1}{2}$ ° E. 54 lks. dist.; mkd. T 21 N R 10 E S 29 B T.
	A pinyon, 12 ins. diam., brs. S. 31 $\frac{1}{4}$ ° W. 107 lks. dist.; mkd. T 21 N R 10 E S 30 B T.
	A pinyon, 7 ins. diam., brs. N. 57 $\frac{1}{4}$ ° W. 159 lks. dist.; mkd. T 21 N R 10 E S 19 B T.
	Land, gently rolling. Soil, coarse texture, 10 to 20 ins. deep. Timber, scrub pinyon and cedar. No undergrowth. Fair grass.
	East on a random line bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 9 lks. N. of cor. of secs. 20, 21, 28 and 29.
	Thence
	N. 89° 56' W. on a true line bet. secs. 20 and 29. Over gently rolling land, through dense timber. Asc. gradual slope.
27.00	Top of spur, slopes SE.
27.90	Calcord's ranch house brs. S. 29° 11' W.
40.04	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
	$\begin{array}{c} \frac{1}{4} \text{ S } 20 \\ \text{S } 29 \\ 1916 \end{array}$
	from which,
	A cedar, 8 ins. diam., brs. N. 82° E. 35 lks. dist.; mkd. $\frac{1}{4}$ S 20 B T.
	A pinyon, 10 ins. diam., brs. S. 41° W. 76 lks. dist.; mkd. $\frac{1}{4}$ S 29 B T.
49.60	Old-Trails Highway and county road bears NW. and SE.
80.08	The cor. of secs. 19, 20, 29 and 30. Land, gently rolling. Soil, coarse texture. Timber, dense cedar and pinyon.--No undergrowth. Sparse grass.

Subdivision of Township 21 North, Range 10 East. 33.

Chains.

40.00 West, on a true line, bet. secs. 19 and 30. Over gently rolling land, thru dense timber. 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,

$\frac{1}{4}$ S 19
 $\frac{1}{4}$ S 30
1916

from which,

A cedar, 8 ins. in diam., brs. N. 63 $\frac{1}{2}$ ° W., 62 lks. dist., marked $\frac{1}{4}$ S 19 B T.

A pinon, 10 ins. in diam., brs. S. 24 $\frac{1}{2}$ ° W., 120 lks. dist., marked $\frac{1}{4}$ S 30 B T.

46.00 Enter old burn, thru scattering timber and undergrowth.
97.36 Draw, course NE.

101.09 Intersect E. bdy. of T. 21 N., R. 9 E., 14.02 chs. S. 0° 3' W. of the $\frac{1}{4}$ sec. cor. of sec. 24, hereinafter described.

At the point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, in a mound of stone, for closing cor. of secs. 19 and 30, marked on brass cap,

T21N
R 9E | R10E
S24 | C S19
C S30
1916

from which,

A pinon, 10 ins. in diam., brs. N. 39° E., 34 $\frac{1}{2}$ lks. dist., marked T 21 N R 10 E S 19 C C B T.

No other trees within limits.

Raise a mound of stone, 2 ft. base, 2 ft. high, E. of cor.

Land, gently rolling.

Soil, fair dark loam, coarse and rocky in texture.

Timber, scrub cedar and pinon.

Undergrowth, scattering rabbit brush.

Resurvey of S. $\frac{1}{2}$ of E. bdy. of sec. 24, T. 21 N., R. 9 East.

From the $\frac{1}{4}$ sec. cor. of secs. 19 and 24, which is a limestone 12x6x9 ins. s. above ground, firmly set, marked and witnessed, as described by the surveyor general, South, on random line, on E. bdy. of sec. 24 (S. half).

39.90 Fall 4 lks. E. of the original cor. of secs. 19, 24, 25 and 30, which is a limestone 8x6x5 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general. Change this cor. to refer to secs. 24 and 25, T. 21 N., R. 9 E. only, by filling in pits E. of line. No other change necessary.

Thence,

N. 0° 3' E., on a true line on E. bdy. of sec. 24 (S. half).

Over rolling land, thru scrub timber.

Descend 30 ft.

33.15 Bottom of canyon, course E. Ascend 35 ft.

39.90 Intersect $\frac{1}{4}$ sec. cor., hereinbefore described. Change to refer to sec. 24 only, by destroying markings on NE. bearing tree. No other change necessary.

Land, rolling.

Soil, coarse, sandy loam.

Timber, cedar and pinon.

Undergrowth, scattering rabbit brush.

Fair grass.

Subdivision of Township 21 North, Range 10 East.

From cor. of secs. 19, 20, 29 and 30;

N. 0° 3' W., bet. secs. 19 and 20.

Over gently rolling land, thru dense timber.

13.50 Old-Trails Highway, brs. NW. to Flagstaff, and SE. to Winslow.

34 Subdivision of Township 21 North, Range 10 East.

Chains.

- 28.50 Top of low hill, brs.NW. and SE.
- 30.00 Road brs.NE. and SW.
- 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,

$\frac{1}{4}$
 S19 | S20
 1916

from which,

- A cedar, 6 ins. in diam., brs.N.49 $\frac{1}{2}$ °E., 13 lks. dist., marked $\frac{1}{4}$ S 20 B T.
- A cedar, 8 ins. in diam., brs.N.10 $\frac{3}{4}$ °W., 88 lks. dist., marked $\frac{1}{4}$ S 19 B T.
- 46.70 Young's Creek canon, 50 lks.wide, 10 ft. deep, course NE.
- 48.00 Fence along right-of-way, brs.E^s and W.
- 49.50 Mutual Telephone line brs.S.89° 41'E. and N.89°41'W.
- 50.25 Postal Telegraph line, brs.S.89°41'E. and N.89°41'W.
- 50.47 A.T.and S.F.Ry.signal line brs.S.89°41'E. and N.89°41'W.
- 51.05 A.T.and S.F.Ry.track, brs.S.89°41'E., and N.89°41'W.
- 51.28 A.T.and S.F.Ry.track brs.S.89°41'E. and N.89°41'W.
- 51.85 Western Union Telegraph line brs.S.89°41'E. and N.89°41'W.

- 52.60 Right-of-way fence parallel with track.
- 65.00 Ascend gentle SE.slope, 88 ft.
- 78.00 Top of ascent, brs.SE. and NW. Descend gradual N.slope.
- 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for cor.of secs.17,18,19 and 20, marked on brass cap,

T21N R10E
 S18 | S17
 S19 | S20
 1916

from which,

- A cedar, 8 ins. in diam., brs.N.49 $\frac{1}{2}$ °E., 94 lks.dist., marked T 21 N R10E S 17 B T.
- A cedar, 12 ins. in diam., brs.S.31 $\frac{1}{2}$ °E., 22 lks.dist., marked T 21 N R 10 E S 20 B T.
- A cedar, 7 ins. in diam., brs.S.77 $\frac{1}{2}$ °W., 89 lks. dist., marked T 21 N R 10 E S 19 B T.
- A cedar, 8 ins. in diam., brs.N.47°W., 110 lks. dist., marked T 21 N R 10 E S 18 B T.

Land, gently rolling.
 Soil, fair, red sandy loam, coarse and rocky texture.
 Timber, scrub cedar and pinon.
 Undergrowth, scattering rabbit brush.

- 40.00 East, on a random line, bet. secs.17 and 20. Set temp. $\frac{1}{4}$ sec.cor.
- 80.14 Intersect N.and S. line, 9 lks.N.of cor.of secs.16,17,20 and 21.

Thence,
 N.89°56'W., on a true line, bet. secs.17 and 20.
 Over gently rolling land, thru. dense timber.

- 24.80 Road brs.NE. to Piper's ranch and SW.to Flagstaff.
- 36.25 Young's Creek, dry, 60 lks. wide, 6 ft.deep, course NE.
- 40.07 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,

$\frac{1}{4}$ S 17
 S 20
 1916

from which,

- A cedar, 8 ins. in diam., brs.N.31°E., 45 lks. dist., marked $\frac{1}{4}$ S 17 B T.
- A cedar, 6 ins. in diam., brs.S.55°E., 10 lks. dist., marked $\frac{1}{4}$ S 20 B T.

Subdivision of Township 21 North, Range 10 East. 35.

Chains.

65.15
80.14

Ascend SE.slope, 103 ft.
The cor. of secs. 17, 18, 19 and 20.
Land, level and rolling.
Soil, good, red sandy loam, medium texture.
Timber, dense cedar and pinon.
No undergrowth.
Grass fair.

West, on a true line, bet. secs. 18 and 19.
Over rolling land, thru. dense timber and scattering undergrowth.

7.00
40.00

Ascend gradual slope.
Top of ascent, brs. SE. and NW. Thence over slightly rolling land.
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,

$\frac{1}{4}$ S 18
S 19
1916

from which,

- A cedar, 7 ins. in diam., brs. N. 43° E., 58 lks. dist., marked $\frac{1}{4}$ S 18 B T.
- A cedar, 8 ins. in diam., brs. S. 1° W., 97 lks. dist., marked $\frac{1}{4}$ S 19 B T.

80.00
101.08

Ascend 63 ft. to
Top of hill, brs. N. and S. Descend gradual SW. slope.
Intersect E. bdy. of T. 21 N., R. 9 E., 13.94 chs. S. 0° 9' E. of the original $\frac{1}{4}$ sec. cor. of sec. 13, hereinafter described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 18 and 19, marked on brass cap,

T 21 N
R 9 E R 10 E
S 13 | C S 18
 | C S 19
1916

from which,

- A pinon, 5 ins. in diam., brs. N. 85 $\frac{1}{2}$ ° E., 59 lks. dist., marked T 21 N R 10 E S 18 CC BT.
- A cedar, 7 ins. in diam., brs. S. 51 $\frac{1}{2}$ ° E., 52 lks. dist., marked T 21 N R 10 E S 19 CC BT.

Land, rolling.
Soil, fair, red sandy loam, coarse and rocky texture.
Timber, scrub cedar and pinon.
Undergrowth, scattering rabbit brush.

Resurvey of South $\frac{1}{2}$ of E. bdy. of sec. 13, T. 21 N., R. 9 E.

40.03

From the original $\frac{1}{4}$ sec. cor., of secs. 13 and 18, which is a malpais stone, firmly set, marked and witnessed as described by the surveyor general,
South, on random line, on E. bdy. of sec. 13 (S. half).
Fall 11 lks. W. of the original cor. of secs. 13, 18, 19 and 24, which is a malpais stone 10x10x6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Change this cor. to refer to secs. 13 and 24, T. 21 N. R. 9 E. only, by destroying the markings on NE. and SE. bearing trees. No other change necessary.
Thence,
N. 0° 9' W., on true line on E. bdy. of sec. 13 (S. half).

36. Resurvey of S. 1/4 of E. bdy of sec. 13, T. 21 N., R. 10 E.

Chains.

Over gently rolling land, thru dense timber and scattering undergrowth.

40.03 Intersect original 1/4 sec. cor., hereinbefore described. Change this cor. to refer to sec. 13 only, by destroying marking on NE. bearing tree. No other change necessary.

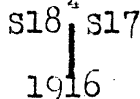
Land, slightly rolling.
Soil, red sandy loam, coarse and rocky texture, 4th rate.
Timber, scrub cedar and pinon.
Undergrowth, scattering rabbit brush.

Subdivision of Township 21 North, Range 10 East.

From cor. of secs. 17, 18, 19 and 20,
N. 0° 3' W., bet. secs. 17 and 18.

Over gently rolling land, thru dense timber and scattering undergrowth.

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,

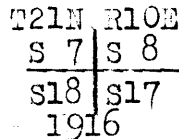


from which,

- A cedar, 8 ins. in diam., brs. N. 76 1/2° E., 16 lks. dist., marked 1/4 S 17 B T.
- A pinon, 7 ins. in diam., brs. N. 69 1/2° W., 45 lks. dist., marked 1/4 S 18 B T.

46.60 Draw course NE.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,



from which,

- A pinon, 8 ins. in diam., brs. N. 23° E., 46 lks. dist., marked T 21 N R 10 E S 8 B T.
- A cedar, 6 ins. in diam., brs. S. 62 3/4° E., 46 lks. dist., marked T 21 N R 10 E S 17 B T.
- A cedar, 9 ins. in diam., brs. S. 14 1/2° W., 101 lks. dist., marked T 21 N R 10 E S 18 B T.
- A cedar, 10 ins. in diam., brs. N. 63 3/4° W., 81 lks. dist., marked T 21 N R 10 E S 7 B T.

Land, level and gently rolling.
Soil, good, red sandy loam, medium texture.
Timber, cedar and pinon.
Undergrowth, none.
Fair grass.

From the cor. of secs. 7, 8, 17 and 18, a flag at the cor. of secs. 8, 9, 16 and 17, is plainly visible; therefore, N. 89° 53' E., on a random line, for distance only.

40.00 Set temp. 1/4 sec. cor.

80.22 Intersect the cor. of secs. 8, 9, 16 and 17.

Thence,
S. 89° 53' W., on a true line, bet. secs. 8 and 17.
Over gently rolling land, thru scattering timber.

15.00 Road brs. S. 30° E. and N. 30° W.

40.11 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,

Chains

S 8
S 17
1916

from which,

A cedar, 8 ins. in diam., brs. N. 41 $\frac{1}{2}$ ° W., 75 lks.
dist., marked S 8 B T.
A pinon, 6 ins. in diam., brs. S. 96° W., 116 lks.
dist., marked S 17 B T.

70.00
73.50
80.22

Begin gradual ascent.
Ascend E. slope, 90 ft.
The cor. of secs. 7, 8, 17 and 18.
Land, level and gently rolling.
Soil, good, red sandy loam, medium texture.
Timber, cedar and pinon.
No undergrowth.
Grass fair.

West, on a true line, bet. secs. 7 and 18.

Over rolling land, thru dense timber.

Ascend gentle E. slope, 69 ft. to

15.00
40.00

Top of slope, brs. N. and S. Thence over nearly level land.
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 7
S 18
1916

from which,

A pinon, 10 ins. in diam., brs. N. 68° W., 87 lks.
dist., marked S 7 B T.
A cedar, 9 ins. in diam., brs. S. 16 $\frac{1}{2}$ ° W., 84 lks.
dist., marked S 18 B T.

101.06

Intersect E. bdy. of Tp. 21 N., R. 9 E., 14.06 chs. S. of the
 $\frac{1}{4}$ sec. cor. of sec. 12, hereinafter described.

At the point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for closing cor. of secs. 7 and 18, marked
on brass cap,

T21N
R9E | R10E
S12 | C S7
 | C S18
1916

from which,

A pinon, 7 ins. in diam., brs. N. 60 $\frac{1}{2}$ ° E., 168 lks.
dist., marked T 21 N R 10 E S 7 CC BT.
A pinon, 9 ins. in diam., brs. S. 70 $\frac{1}{2}$ ° E., 135 lks.
dist., marked T 21 N R 10 E S 18 C C BT.

Land, rolling and level.
Soil, good, red sandy loam, medium texture.
Timber, pinon and cedar.
No undergrowth.
Grass, fair.

Resurvey of S. half of E. bdy. of sec. 12, T. 21 N., R. 9 E.

From original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, which is a
limestone, 10x6x6 ins. above ground, marked and witness-
ed, as described by the surveyor general,
South, on random line, on E. bdy. of sec. 12 (S: half).

40.08

Intersect original cor. of secs. 7, 12, 13 and 18, which is a

38 Resurvey of S. 1/2 of E. bdy. of sec. 12, T. 21 N., R. 9 E.

Chains.

malpais stone 10x8x5 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

Change this cor. to refer to secs. 12 and 13, T. 21 N., R. 9 E. only, by destroying marking on NE. and SE. bearing trees. No other change necessary.

Thence,

North, on true line, on E. bdy. of sec. 12 (S. half).

Over level land, thru scattering timber.

40.08

Intersect original 1/2 sec. cor., hereinbefore described.

Change this cor. to refer to sec. 12 only, by destroying marking on NE. bearing tree. No other change necessary.

Land, level.

Soil, good, red sandy loam, medium texture, 2nd rate.

Timber, scattering pinon and cedar.

No undergrowth.

Fair grass.

Subdivision of Township 21 North, Range 10 East.

From cor. of secs. 7, 8, 17 and 18,

N. 0° 3' W., bet. secs. 7 and 8.

Ascend gradual SE. slope, thru dense timber.

5.00

Ascend 57 ft. to

10.00

Top of spur, slopes E. 50 lks. dist. Descend gentle NE. slope, 29 ft. to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/2 sec. cor., marked on brass cap,

S 7 1/2 S 8
1916

from which,

A cedar, 6 ins. in diam., brs. S. 34 1/2° E., 82 lks. dist., marked 1/2 S 8 B T.

A cedar, 7 ins. in diam., brs. N. 11 1/2° W., 84 lks. dist., marked 1/4 S 7 B T.

41.00

Bottom of slope, brs. SE. and NW. Thence over gently rolling land.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, in a mound of stone, for cor. of secs. 5, 6, 7 and 8, marked on brass cap.

T 21 N R 10 E
S 6 S 5
S 7 S 8
1916

from which,

A pinon, 10 ins. in diam., brs. N. 58° E., 30 lks. dist., marked T 21 N R 10 E S 5 B T.

A cedar, 9 ins. in diam., brs. S. 65 1/2° E., 89 lks. dist., marked T 21 N R 10 E S 8 B T.

A cedar, 8 ins. in diam., brs. S. 54° W., 63 lks. dist., marked T 21 N R 10 E S 7 B T.

A pinon, 7 ins. in diam., brs. N. 19° W., 52 lks. dist., marked T 21 N R 10 E S 6 B T.

Land, rolling.

Soil, fair, dark loam, medium and rocky texture.

Timber, pinon and cedar.

No undergrowth.

Grass fair.

East, on a random line, bet. secs. 5 and 8.

40.00

Set temp. 1/2 sec. cor.

80.33

Intersect N. and S. line, 7 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence,

S. 89° 57' W. on a true line, bet. secs. 5 and 8.

Chains.

40.16 1/2 Over rolling land, thru scrub timber.
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,

S 5
S 8
1916

from which,
A cedar, 8 ins. diam., brs. N. 45 1/2° E., 65 lks. dist., marked 1/4 S 5 B T.
A pinon, 8 ins. diam., brs. S. 7 1/4° E., 48 lks. dist., marked 1/4 S 8 B T.

54.43 Wagon road, brs. NW. and SE.
80.33 The cor. of secs. 5, 6, 7 and 8.
Land, gently rolling.
Soil, coarse texture.
Timber, scrub cedar and pinon.
Undergrowth, none.
Grass, good.

40.00 West, on a true line, bet. secs. 6 and 7.
Over gently rolling land, thru dense timber.
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,

S 6
S 7
1916

from which,
A cedar, 10 ins. in diam., brs. N. 59 1/2° W., 20 lks. dist., marked 1/4 S 6 B T.
A cedar, 7 ins. in diam., brs. S. 23 1/2° E., 35 lks. dist., marked 1/4 S 7 B T.

85.00 Foot of slope, brs. NE. and SW. Ascend E. slope, 57 ft.
95.00 Thence over gently rolling land, nearly level.
101.15 Intersect E. bdy. of T. 21 N., R. 9 E., 13.81 chs. S. of the 1/4 sec. cor. of sec. 1, hereinafter described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, in a mound of stone, for closing cor. of secs. 6 and 7, marked on brass cap,

T21N
R9E | R10E
S1 | C S6
C S7
1916

from which,
A cedar, 7 ins. in diam., brs. N. 48° E., 182 lks. dist., marked T21N R10E S6 CC BT.
A cedar, 8 ins. diam., brs. S. 12 1/2° E., 55 lks. dist., marked T21 NR 10 E S7 CC BT.

Land, gently rolling.
Soil, fair, red sandy clay, medium texture.
Timber, dense cedar and pinon.
Undergrowth, none.
Grass fair.

40. Resurvey of S. $\frac{1}{2}$ of E. bdy. of sec. 1, T. 21 N., R. 9 E.

Chains.	From the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, which is a malpais stone, 10x6x5 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, South, on random line, on E. bdy. of sec. 1 (S. half).
40.26	Intersect original cor. of secs. 1, 6, 7 and 12, which is a malpais stone, 12x7x6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Change this cor. to refer to secs. 1 and 12, T. 21 N., R. 9 E. only, by destroying the marking on NE. and SE. bearing trees. No other change necessary. Thence, North, on true line on E. bdy. of sec. 1 (S. half). Over gently rolling land, thru dense timber.
40.26	Intersect $\frac{1}{4}$ sec. cor., hereinbefore described. Change this cor. to refer to sec. 1, T. 21 N., R. 9 E., only, by destroying marking on NE. bearing tree. No other change necessary. Land, gently rolling. Soil, red sandy clay loam, medium texture, 2nd rate. Timber, dense cedar and pinon. No undergrowth. Fair grass.

<u>Subdivision of Township 21 North, Range 10 East.</u>	
40.00	From cor. of secs. 5, 6, 7 and 8, N. $0^{\circ}3'7''$, on a random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. bdy. of Tp., 8 lks. W. of the cor. of secs. 5, 6, 31 and 32, described in Book "H." Thence, South, on a true line, bet. secs. 5 and 6. Over gently rolling land, thru dense timber.
33.80	Road hrs. NW and SE. to Paper's Ranch.
40.20	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,
<p>S 6 $\frac{1}{2}$ S 5</p> <p>1916</p>	
80.20	from which, A cedar, 6 ins. in diam., hrs. N. 88° E., 33 lks. dist., marked $\frac{1}{4}$ S 5 B T. A cedar, 7 ins. in diam., hrs. S. 33° W., 43 lks. dist., marked $\frac{1}{4}$ S 6 B T. The cor. of secs. 5, 6, 7 and 8. Land, gently rolling, nearly level. Soil, fair, red sandy loam, medium texture. Timber, dense cedar and pinon. Undergrowth, none. Grass fair.

<u>GENERAL DESCRIPTION.</u>	
<u>T. 21 N., R. 10 E.</u>	
This township situated in the north central portion of the state of Arizona, on the watershed of the Little Colorado river, has a gently rolling or level surface, except an extinct volcanic crater in secs. 9 and 10, and several scattered buttes and low ridges. The soil is mainly a thin dark loam, coarse texture, on limestone subsoil. Some portions have a red sandy loam, medium texture, other portions a clay loam, covered with volcanic ash, and the other portions a coarse gravel.	

GENERAL DESCRIPTION, continued.

There is no soil of 1st rate, the entire township ranging from 2nd to 4th rate. The only cultivated land is a small field in sec.16, known as Piper's ranch.

About a quarter of the total area of the township has a good growth of grass, suitable for grazing. Nearly the entire surface is covered with a dense growth of cedar and pinon timber.

Coconino National Forest embraces all of the Tp., except secs. 1,2,3,11,12 and 36. About one-fourth of the area has a scattering undergrowth of rabbit and buck brush, and the remainder is almost clear of undergrowth.

There is no evidence of mineral deposits of value in the township. The drainage is northeasterly into the Little Colorado river, about 15 miles distant. No permanent running water exists. The main drainage water-courses are Young's creek and Canyon Padre creek, the former draining easterly through the center of the Tp., and the latter draining Northeasterly thru.sec.36. A dam is thrown across Young's Creek in sec.22, from which flood waters are conveyed to a reservoir in sec. 36 of T.22 N., R.10 E. by means of a ditch thru.secs. 15,14,11 and 12. A pond in SW. $\frac{1}{4}$ of sec.29 also stores flood water from a wash.

There are two settlers: E.M.Piper in secs.16 and 17, with house and fenced tract, part of which is cultivated; and E.M.Colcord in sec.29 with house, fenced tract, and pond or reservoir. Ruins of Indian houses are visible in several sections.

The Atchison, Topeka & Santa Fe Railway, with double track, & paralleled by telegraph and telephone lines, and right-of-way fences extends easterly and westerly, thru the center of the township. A station on same in NW. $\frac{1}{4}$ of sec. 23, known as Angell Station, consists of water tank and pump house and "Y" track.

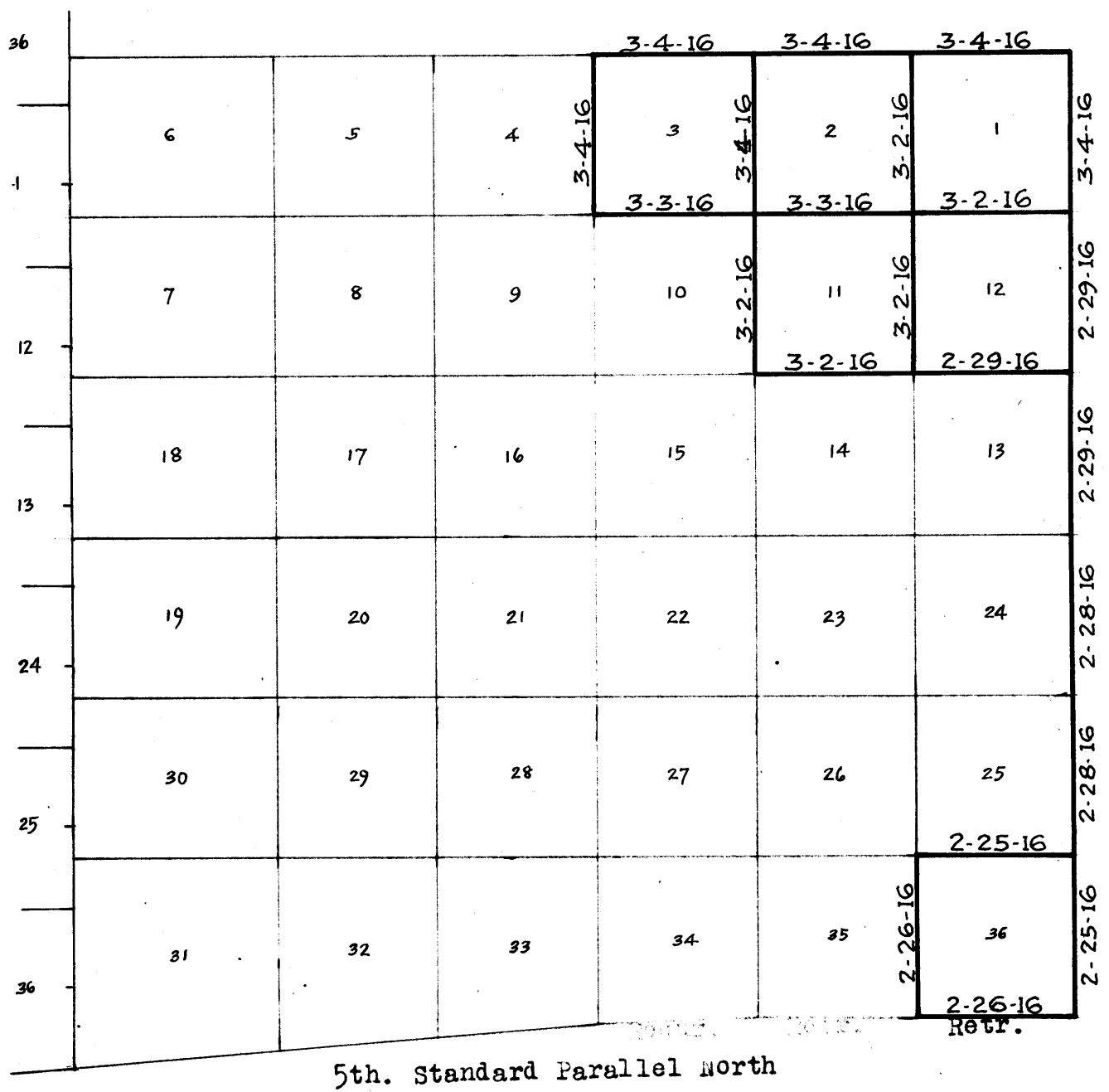
The "National Old Trails Highway" passes thru. the Tp., entering at the center of the W. boundary, and leaving at the SE.cor. This road crosses a concrete bridge over Padre Canyon in sec.36. Several other good roads connect with this highway, and traversé the township in all directions.

Boundaries of Township 21 North, Range 10 East.
 Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary, (5th. Std. Par. N.)	N. 87° 27' W.	40.11	1.78			40.07
	N. 89° W.	39.88	.70			39.87
	N. 88° 45' W.	40.07	.87			40.06
	S. 89° 2' W.	39.59		.68		39.58
	S. 86° 55' W.	80.89		4.35		80.77
	S. 87° 12' W.	40.41		1.97		40.36
	S. 84° 53' W.	40.54		3.62		40.38
	S. 85° 33' W.	40.16		3.12		40.04
	S. 85° 52' W.	40.77		2.91		40.60
	S. 85° 12' W.	40.76		3.41		40.61
	S. 81° 26' W.	59.94		8.92		59.27
West boundary,	North,	160.07	160.07			
	N. 0° 3' E.	39.90	39.90		.04	
	North,	40.00	40.00			
	N. 0° 9' W.	40.03	40.03			.11
	North,	200.34	200.34			
	N. 0° 3' E.	26.28	26.28		.02	
North boundary, East,		501.65			501.65	
East boundary, South,		480.00		480.00		
Convergency,					.60	
Totals,			509.97	508.98	502.31	501.78
Error in latitude,			508.98		501.78	
Error in departure,			0.99		0.53	

GROUP 68 - - ARIZONA.
TOWNSHIP 21 NORTH, RANGE 10 EAST,

DATE DIAGRAM.



Black lines indicate surveys by Joseph C. Clark, U.S. Transitman, on various dates shown thereon.

Red lines indicate surveys by Thomas B. Matthews, U.S. Surveyor, on various dates shown thereon.

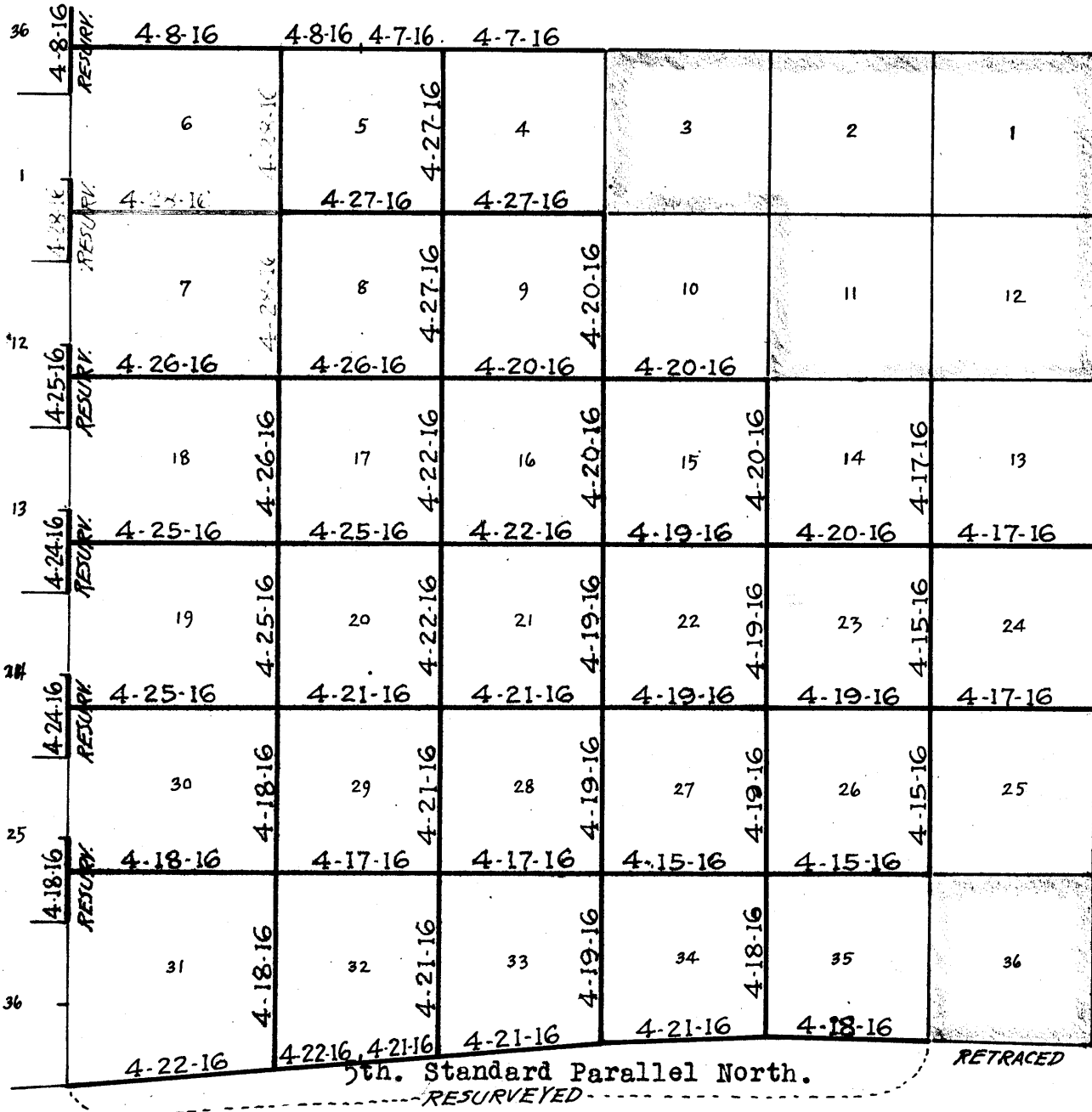
Yellow lines indicate surveys made under Group 69, described in foregoing notes, and dated on diagram on reverse hereof.

BOOK 3222

GROUP 69 - - - - ARIZONA.

TOWNSHIP 21 NORTH, RANGE 10 EAST.

DATE DIAGRAM.



Black lines indicate surveys by Joseph C. Clark, U.S. Transitman, on various dates shown thereon.

Red lines indicate surveys by Thomas B. Matthews, U.S. Surveyor, on various dates shown thereon.

Green lines indicate surveys by Deane J. Wolff, U.S. Transitman, on various dates shown thereon.

Blue lines indicate surveys made under Group 68, described in foregoing notes, and dates on diagram on reverse hereof.

BOOK 3222

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Deane J. Wolff, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 69, Arizona,

bearing date of the 12th day of January, 1916, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States re-surveyed all those parts or portions of the

East boundary of Township 21 North, Range 9 East, and surveyed all those parts or portions of the subdivision lines of Township 21 North, Range 10 East,

of the Gila and Salt River Base and Meridian, in the State of Arizona,

which are represented in the foregoing field notes as having been executed by me, and under my direction; and 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 U. S. Surveyor General for Group 69, Arizona,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such re-survey and survey.

Deane J. Wolff
U. S. Transitman.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

191

The foregoing field notes of the survey of

executed by

under his special instructions dated 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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.

U. S. Surveyor General.

4-680

FIELD ASSISTANTS. TO
THOMAS B. MATTHEWS, U.S.S., GROUPS 68 & 69.

NAMES.	CAPACITY.
Vergil Bell,	1st chairman
Ernest Darough,	2nd chairman
Chris. C. Lee,	Cornerman,
Hank Radley,	Cornerman
R. A. Lane,	Axman & 2nd chairman
M. A. Moore,	Axman,
Alfred C. England,	Flagman
W. Hyde,	Flagman and cornerman

FIELD ASSISTANTS TO

JOSEPH C. CLARK, U.S.T., GROUPS 68 & 69.

E. F. Strickler,	1st Chairman
M. H. Sprinkle,	2nd Chairman
George F. Diel,	Cornerman,
D. C. O'Brien,	Axman,
Ray Adcock,	Flagman,

282
48

FOR CERTIFICATES of THOMAS B. MATTHEWS, U.S.S. RELATIVE TO GRPS. 68 & 69
SEE BOOKS "B" & "H" of this GROUP, respectively.

~~CERTIFICATE OF UNITED STATES SURVEYOR.~~

FOR CERTIFICATES of JOSEPH C. CLARK, U.S.T., RELATIVE TO GRPS. 68 & 69,
SEE BOOKS "B" & "H" of this GROUP, respectively.

BOOK 2222

I, _____, U. S. Surveyor, hereby certify upon honor that, in pursuance
of special instructions received from the U. S. Surveyor General for _____
bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-
tions, and the laws of the United States, surveyed all those parts or portions of _____
_____ of the _____
_____ Meridian, in the State of _____, which are represented in
the foregoing field notes as having been executed by me, and under my direction; and that all the corners of
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-
tions, and the special written instructions of the U. S. Surveyor General for _____
and in the specific manner described in the field notes, and that the foregoing are the original field notes of
such survey.

U. S. Surveyor

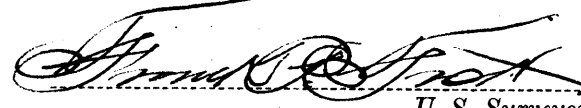
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, January 15, 1919

The foregoing field notes of the ~~survey of~~ Retracement and Resurvey of
5th. Standard Parallel North, thru Range 10 East, and parts of
East bdy. of Township 21 North, Range 9 East, and SURVEY of
Subdivision lines of
TOWNSHIP 21 NORTH, RANGE 10 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,
executed by Thomas B. Matthews, U.S. Surveyor, & Joseph C. Clark & Deane J. Wolff,
U.S. Transitmen,
under his special instructions dated Dec. 17, 1915, and Jan. 12, 1916, for Groups Nos. 68 & 69, Ariz.
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys
they describe, are hereby approved.


U. S. Surveyor General.

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.