

287
OK (E. 1)

3278

Book "C"

4-679

FIELD NOTES

BOOK 3278

OF THE SURVEY OF THE

Seventh Standard Parallel North, thru Range 7 East,

Part of the East boundary, and

Part of the Subdivision lines of

TOWNSHIP 29 NORTH, RANGE 7 EAST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Thomas B. Matthews,

In the capacity of U. S. Surveyor..., under Special Instructions dated January 5, 1916, issued by the United States Surveyor General to govern surveys included in Group No. 67, which were approved by the Commissioner of the General Land Office, January 22, 1916, and Assignment Instructions dated March 20, 1917

Survey commenced April 25, 1917.

Survey completed May 4, 1917.

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1A
288

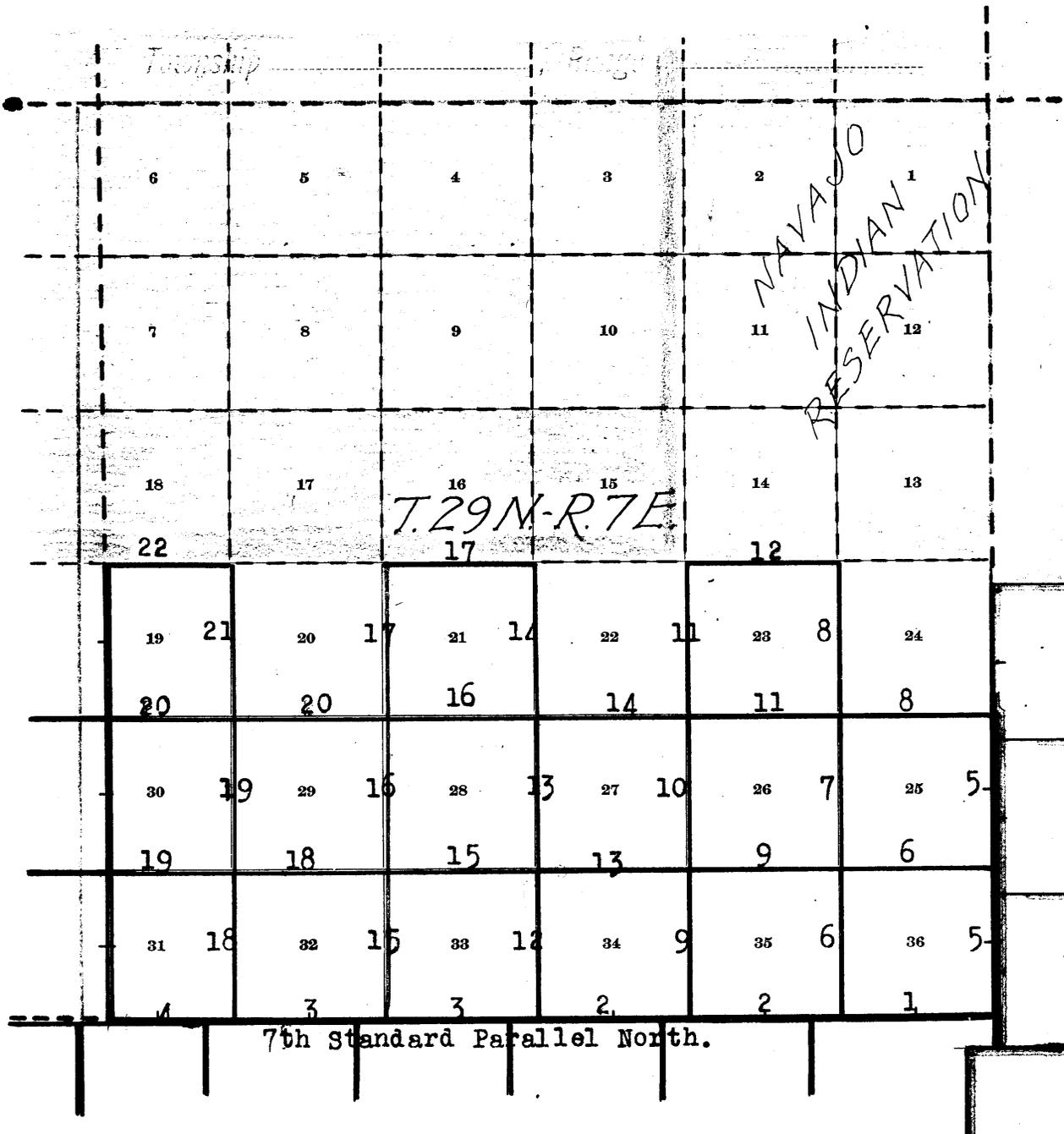
3278

Book "C"

Group 67 - - - - Arizona.

BOOK 3278

INDEX DIAGRAM.



- Lines surveyed under this Group.
- - - - Lines resurveyed under this Group.
- Lines surveyed under current Group No. 66.
- - - - Unsurveyed.

 Tusayan National Forest.

 Navajo Indian Reservation.

Survey of 7th. Standard Parallel North thru Range 7 East.

1 B

Chains,

Surveys hereinafter described, executed by Thomas B. Mathews, U.S. Surveyor, using a Buff and Buff light mountain transit No. 10124, said instrument being equipped with a Smith solar attachment.

For complete description of instrument, together with a record of approval and field tests, see beginning of notes in Book "A."

Clinometers and five-chain steel tapes were the instruments employed in determining all distances.

Dates of survey shown on diagram on page 2 of Book "A" of this Group.

Survey of 7th. Standard Parallel North, thru. Range 7 East.

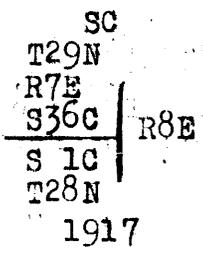
From the reestablished standard cor. of Ts. 29 N., Rs. 6 and 7 E., described in Book "B,"

East, on a random line, setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 and 80.00 chs., and at 5 miles, 65.65 chs., fall 16.24 chs. N. of the standard cor. of Ts. 29 N., Rs. 7 and 8 E., which is an iron post, 3 ins. in diam., properly set, marked and witnessed, as described by the surveyor general under current Group No. 66.

Change the markings on the brass cap, making it the standard cor. of T. 29 N., R. 8 E. only. (SW. cor.)

At this point,

Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, in a mound of stone, for standard closing cor. of Ts. 28 and 29 N., R. 7 E., marked on brass cap,



from which,

A pinon, 14 ins. in diam., brs. S. $40\frac{1}{2}^{\circ}$ W., 316 lks. dist., marked S C T28N R7E S1 CC BT.

A pinon, 14 ins. in diam., brs. N. $54\frac{1}{2}^{\circ}$ W., 357 lks. dist., marked S C T29N R7E S36CC BT.

Thence,

West on true line, on S. bdy. of sec. 36.

Over rolling land, thru scattering timber and undergrowth.

Ascend E. slope, 45 ft. to

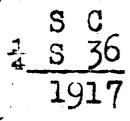
44.65 Saddle, 2 chs. wide, drains E. and W. Descend 52 ft. to

22.77 Wash, 10 lks. wide, course SE. Ascend broken E. slope, 142 ft. to

32.60 Descend 24 ft. to

35.00 Ascend 72 ft.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, in a mound of stone, for standard $\frac{1}{4}$ sec. cor., marked on brass cap,



and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

40.15 Top of ascent; descend gradual slope.

59.05 Old road brs. NW and SE.

67.65 Old road brs. N. and S.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., on surface rock, in a mound of stone, for standard cor. of secs. 35 and 36, marked on brass cap,

2 Survey of 7th Standard Parallel North, thru Range 7 East.

Chains.

S C
T29N | R7 E
S35 | S36

1917

and raise mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Land, rolling and broken. Soil, gravelly and rocky.
Timber, scattering pinon and cedar.
Undergrowth, brigham brush and greasewood. Fair grass.

40.00 West, on S. bdy. of sec. 35.
Over rolling land, thru scattering timber and undergrowth.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for standard ¼ sec. cor., marked on brass cap,

S C
¼ S 35

1917

from which,

A pinon, 10 ins. in diam., brs. N. 65½° W., 23 lks. dist.,
marked S C ¼ S 35 B T.

A pinon, 10 ins. in diam., brs. N. 69¼° E., 37 lks.
dist., marked S C ¼ S 35 B T.

Descend gradual slope to
46.67 Rim of steep descent; descend 280 ft.
60.35 Wash, 20 lks. wide, 3 ft. deep, course SE.
61.15 Dim road brs. NE and SW.
63.65 Top of point, 50 lks. wide, slopes from N., extends S., 2
chs. dist.
65.00 Across canyon bottom.
75.65 Ascend E. slope, 320 ft.
80.00 Set an iron post, 3 ft. long, 3 ins. in diam., on surface
rock, in a mound of stone, for standard cor. of secs.
34 and 35, marked on brass cap,

S C
T29N | R7 E
S34 | S35

1917

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of
cor.
Land, rolling and broken. Soil, rocky.
Timber, scattering pinon and cedar.
Undergrowth, brigham brush and greasewood.
Fair grass.

3.00 West, on S. bdy. of sec. 34.
Continue ascent of E. slope, thru scattering timber and
undergrowth.
Edge of rim, brs. N. and S. Thence over gently rolling land.
33.65 Old stone and wooden hut, brs. S. 1 ch. dist.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for standard ¼ sec. cor., marked on brass
cap,

S C
¼ S 34

1917

from which,

A pinon, 14 ins. in diam., brs. N. 52° E., 408 lks.
dist., marked S C ¼ S 34 B T.

A pinon, 12 ins. in diam., brs. N. 63° W., 497 lks.
dist., marked S C ¼ S 34 B T.

Descend 23 ft.
45.65 Wash, 10 lks. wide, course NW.
80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in
the ground, for standard cor. of secs. 33 and 34, marked
on brass cap,

survey of 7th. Standard. Parallel North. thru. Range 7 East.

3.

Chains.

S C
T29N R7 E
S33 S34
1917

from which,
A pinon, 12 ins. in diam., brs. N. 15° E., 597 lks. dist., marked S C T29N R7E S34 BT.

No other trees within limits: Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Land, rolling. Soil, stony and gravelly.
Timber, scattering pinon and cedar.
Undergrowth, brigham brush, buck brush and greasewood.
Short grass.

West, on S. bdy. of sec. 33.
Over rolling and broken land, thru. scattering timber and undergrowth.

- 2.65 Descend 29 ft. to
- 8.15 Wash, 50 lks. wide, course SW. Ascend gradual slope.
- 11.60 Rocky point, slopes S.; extends S. 2 chs. dist.
- 13.15 Wash, 1 ch. wide, course S. Ascend gradual slope.
- 40.00 Road brs. NW. and SE.
- Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard ¼ sec. cor., marked on brass cap,

S C
S 33
1917

from which,
A cedar, 9 ins. in diam., brs. N. 65½° E., 297 lks. dist., marked S C ¼ S 33 B T.
A pinon, 10 ins. in diam., brs. N. 79° W., 375 lks. dist., marked S C ¼ S 33 B T.

- 40.65 Descend gradual slope.
- 55.90 Wash, 40 lks. wide, course SW. Ascend 44 ft.
- 65.00 Dim road, brs. N. and S.
- 71.65 Over gently rolling land.
- 72.20 Edge of descent; descend 27 ft.
- 73.95 Center of draw, 2 chs. wide, course S. Ascend 28 ft.
- 80.00 Right rim of canyon; ascend 179 ft.
- Set an iron post, 3 ft. long, 3 ins. in diam., 14 ins. in the ground, in a mound of stone for standard cor. of secs. 32 and 33. marked on brass cap,

S C
T29N R 7E
S32 S33
1917

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Land, rolling.
Soil, rocky loam. Timber, pinon and cedar.
Undergrowth, greasewood, brigham brush and buck brush.
Short grass.

West, on S. bdy. of sec. 32.
Over rolling land, thru. scattering timber and undergrowth.
Continue ascent, over NE. slope.

- 31.65 Top of point, slopes N. Descend W. slope, 34 ft.
- 35.00 Enter draw, course N.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard ¼ sec. cor., marked on brass cap,

4. Survey of 7th. Standard Parallel North, thru. Range 7 East.

Chains.

S C
$\frac{1}{4}$ S 32

1917

- and raise a mound of stone, 2ft. base, 1½ ft. high, N. of cor.
- 45.60 Leave draw, ascend E. slope, 50 ft.
- 47.60 Thence over rolling land.
- 58.10 Head of wash, 20 lks. wide, course NE.
- 65.00 Ascend 75 ft. to
- 75.00 Thence over gently rolling land.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 8 ins. in the ground, in a mound of stone, for standard cor. of secs. 31 and 32, marked on brass cap,

S C
T29N R7E
S31 S32

1917

- from which,
- A pinon, 10 ins. in diam., brs. N. 89° E., 154 lks. dist., marked S C T 29 N R 7 E S 32 B T.
- A cedar, 18 ins. in diam., brs. N. 23° W., 98 lks. dist., marked S C T 29 N R 7 E S 31 B T.
- Land, gently rolling.
- Soil, rocky loam, gravelly subsoil.
- Timber, pinon and cedar.
- Undergrowth, brigham brush, greasewood and buck brush.
- Short grass.

- West, on S bdy. of sec. 31.
- 40.00 Over rolling land, thru. scattering timber and undergrowth. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard cor., marked on brass cap,

S C
$\frac{1}{4}$ S 31

1917

- from which,
- A cedar, 16 ins. in diam., brs. N. 22° E., 515 lks. dist., marked S C $\frac{1}{4}$ S 31 B T.
- No other trees within limits.
- Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
- 65.65 The reestablished standard cor. of Ts. 29 N., Rs. 6 and 7 E., described in Book "B."
- Land, gently rolling.
- Soil, rocky loam and gravelly.
- Timber, pinon and cedar.
- Undergrowth, brigham brush, buck brush and greasewood.
- Short grass.

Survey of

part of E. bdy. of Township 29 North, Range 7 East.

5.

Chains.

Preliminary to the subdivision of T.29 N., R.7 E., I begin at the standard closing cor. of Ts. 28 and 29 N., R.7 E., hereinbefore described, and run,
 23.76 North, on blank line, on the E. bdy. of sec. 36.
 40.00 $\frac{1}{4}$ sec. cor. of sec. 31, T.29 N., R.8 E., which is an iron post, 1 in. in diam., the markings of which I change to refer to the areas in sec. 31 only, properly set and witnessed as described by the surveyor general under current group No. 66.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. for sec. 36, with a brass cap, marked

S 36
 1917

from which,

A pinon, 8 ins. in diam., brs. N. 16 $\frac{1}{2}$ ° W., 58 lks. dist., marked $\frac{1}{4}$ S 36 B T.

No other trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

63.76 Cor. of secs. 30 and 31, T.29 N., R.8 E., which is an iron post, 3 ins. in diam., the markings of which I change to refer to the areas E. of the line, properly set and witnessed as described by the surveyor general under current group No. 66.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 2 ins. in the ground, in mound of stone, for cor. of secs. 25 and 36, with a brass cap, marked,

T29N
 R 7E
S25
 S36
 1917

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling with broken slopes. Soil, rocky, thin loam. Timber, scattering cedar and pinon. Undergrowth, greasewood, brigham brush, cholla cactus. Short grass.

23.76 North, on a blank line, on the E. bdy. of sec. 25.
 The $\frac{1}{4}$ sec. cor. of sec. 30, T.29 N., R.8 E., which is an iron post, 1 in. in diam., the markings of which I change to refer to the areas in sec. 30, only, properly set and witnessed as described by the surveyor general under current Group No. 66.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., of sec. 25, with a brass cap, mkd.,

S 25
 1917

from which,

A pinon, 10 ins. in diam., brs. S. 12 $\frac{1}{2}$ ° W., 47 lks. dist., marked $\frac{1}{4}$ S 25 B T.

A pinon, 9 ins. in diam., brs. N. 79 $\frac{1}{2}$ ° W., 61 lks. dist., marked $\frac{1}{4}$ S 25 B T.

63.76 Cor. of secs. 19 and 30, T.29 N., R.8 E., which is an iron post 3 ins. in diam., the markings of which I change to refer to the areas E. of the line only, properly set and witnessed as described by the surveyor general under current Group No. 66.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, in a mound of stone for cor. of secs. 24 and 25, with a brass cap, marked

T29N
 R7E
S24
 S25
 1917

from which,

A pinon, 10 ins. in diam., brs. S. 77° W., 43 lks. dist., marked T 29 N R7E S25 BT.

A pinon, 10 ins. in diam., brs. N. 78 $\frac{1}{2}$ ° W., 48 lks. dist., marked T 29 N R7E S24 B T.

Survey of

Part of E. bdy. of Township 29 North, Range 7 East.

Chains

Land, rough, mountainous. Soil, thin, rocky loam. Timber, pinon and cedar. Undergrowth, brigham brush and greasewood. Short grass. Change markings on the 1/4 sec. cor. set under Group 66 for secs. 19 and 24, and also the sec. cor. set under same group for secs. 13, 18, 19 and 24, making both cors. refer only to areas E. of line, only.

Portion of the Subdivision lines of T. 29 N., R. 7 E.

From the standard cor. of secs. 35 and 36, on S. bdy. of Tp., (7th. Std. Par. N.) hereinbefore described, N. 0° 1' W., bet. secs. 35 and 36.

13.00
25.80
26.80
31.00
40.00

Over level land, thru. scattering timber and undergrowth. Descend rocky NW. slope, 134 ft. Dim road brs. NE. and SW. Wash, 20 lks. wide, course E. Ascend S. slope, 74 ft. Point slopes W. Thence over W. slope. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with a brass cap, marked

S35 | S36
1917

from which,

- A pinon, 14 ins. in diam., brs. N. 61 1/2° E., 222 lks. dist., marked 1/4 S 36 B T.
- A pinon, 10 ins. in diam., brs. S. 22° W., 85 lks. dist., marked 1/4 S 35 B T.

41.10
45.00
55.00
67.00
80.00

Wash, 10 lks. wide, course SW. Ascend SE. slope, 34 ft. Across level land. Descend NE. slope, 69 ft. Draw, 1 ch. wide, course NE. Ascend SE. slope, 29 ft. Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground, in a mound of stone for cor. of secs. 25, 26, 35 and 36, with a brass cap, marked

T29N R7E
S26 | S25
S35 | S36
1917

from which,

- A pinon, 10 ins. in diam., brs. N. 21° E., 399 lks. dist., marked T. 29 N R7E S25 B T.
- A pinon, 12 ins. in diam., brs. S. 19 1/2° E., 594 lks. dist., marked T29N R7E S36 B T.
- A pinon, 10 ins. in diam., brs. S. 20 1/2° W., 215 lks. dist., marked T29N R7E S35 B T.
- A cedar, limb, 8 ins. in diam., brs. N. 55 1/2° W., 155 lks. dist., marked T29N R7E S26 B T.

Land, rolling and level. Soil, stony loam. Timber, cedar and pinon. Undergrowth, brigham brush and greasewood. Short grass.

The cor. of secs. 25 and 36, being plainly visible, N. 89° 49' E., on a random line, bet. secs. 25 and 36.

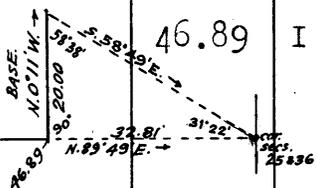
40.00
54.00
46.89
79.70

Set temp. 1/4 sec. cor. Canyon, course SE. To determine distance to cor. of secs. 25 and 36, I triangulate as follows: At

I lay off a base N. 0° 11' W., 20 chs. dist., from which point the flag at the cor. of secs. 25 and 36, E. bdy. of Tp., brs. S. 58° 49' E., and the three angles of the triangle are 58° 38', 31° 22' and 90° 00' respectively, and the required distance is 20 x cotan. 31° 32', or 20 x 1.64041 = 32.81 chs., which added to 46.89 chs. makes

Intersect E. bdy. of Tp. at the cor. of secs. 25 and 36, hereinbefore described.

Thence, S. 89° 49' W. on a true line, bet. secs. 25 and 36. Over rough, broken land, thru. scattering timber and undergrowth.



Survey of Portion of Subdivision of T. 29 N. R. 7 E.

Chains
 25.70 Canyon, course SE.
 34.70 Wash, 10 lks. wide, course S. Asc. 52 ft.
 39.85 Set an iron post, 3 ft. long, 1 in. diam., on surface rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 25
 $\frac{1}{4}$ S 36
 1917

from which,
 A pinion, 6 ins. diam., brs. N. $8\frac{1}{2}^\circ$ E.
 34 lks. dist.; mkd. $\frac{1}{4}$ S 25 B T.
 A cedar, 10 ins. diam., brs. S. $5\frac{1}{8}^\circ$ E.
 346 lks. dist.; mkd. $\frac{1}{4}$ S 36 B T.

Asc. NE. slope, 141 ft.
 66.20 Point slopes N. Desc. 18 ft.
 70.00 Asc. 33 ft. to
 79.70 The cor. of secs. 25, 26, 35 and 36.
 Land, rolling, broken and mountainous.
 Soil, rocky loam.
 Timber, cedar and pinion.
 Undergrowth, brigham brush and greasewood.
 Short grass.

N. 0° 1' W. bet. secs. 25 and 26.
 Over rolling E. slope, through scattering timber and undergrowth.

40.00 Desc. gradual slope, 123 ft.
 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

$\frac{1}{4}$
 S26 | S25
 1917

from which,
 A pinion, 10 ins. diam., brs. S. $20\frac{1}{2}^\circ$ E.
 175 lks. dist.; mkd. $\frac{1}{4}$ S 25 B T.
 A cedar, 12 ins. diam., brs. S. $43\frac{1}{2}^\circ$ W.
 86 lks. dist.; mkd. $\frac{1}{4}$ S 26 B T.

43.50 Desc. 23 ft.
 Wash, 10 lks. wide, course E.
 53.91 Wash, 20 lks. wide, course SE. Asc. 21 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, mkd. on brass cap

T29N R 7E
 S23 | S24
 S26 | S25
 1917

from which,
 A cedar, 14 ins. diam., brs. N. $51\frac{1}{4}^\circ$ E.
 526 lks. dist.; mkd. T 29 N R 7 E S 24 B T.
 A cedar, 10 ins. diam., brs. S. $78\frac{1}{2}^\circ$ E.
 97 lks. dist.; mkd. T 29 N R 7 E S 25 B T.
 A pinion, 14 ins. diam., brs. S. $63\frac{1}{2}^\circ$ W.
 169 lks. dist.; mkd. T 29 N R 7 E S 26 B T.
 A cedar, 18 ins. diam., brs. N. 73° W.
 366 lks. dist.; mkd. T 29 N R 7 E S 23 B T.

Land, rolling.
 Soil, rocky loam.
 Timber, pinion and cedar.
 Undergrowth, greasewood and brigham brush.
 Short grass.

8 Survey of Portion of Subdivision of T. 29 N., R. 7 E.

Chains
 40.00 East on a random line bet. secs. 24 and 25.
 79.76 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tp. 37 lks. S. of the cor. of secs.
 24 and 25, hereinbefore described.
 Thence
 S. $89^{\circ} 44'$ W. on a true line bet. secs. 24 and 25.
 Over rolling and mountainous land, through scattering
 timber and undergrowth.
 Asc. rocky NE. slope.
 1.75 Desc. 155 ft. over NW. slope.
 9.10 Wash, 30 lks. wide, course NE. Asc. 95 ft.
 14.20 Wash, 20 lks. wide, course S. 80° E. Asc. 308 ft.
 39.88 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 24
 $\frac{1}{4}$ S 25
 1917

from which,
 A cedar, 14 ins. diam., brs. S. $16\frac{1}{2}^{\circ}$ E.
 273 lks. dist.; mkd. $\frac{1}{4}$ S 25 B T.
 No other trees within limits.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Asc. 49 ft.
 41.55 Wash, 20 lks. wide, course S.
 75.00 Desc. 29 ft.
 64.35 Wash, 20 lks. wide, course S. Asc. 29 ft.
 79.76 The cor. of secs. 23, 24, 25 and 26.
 Land, rolling.
 Soil, rocky loam.
 Timber, cedar and pinion.
 Undergrowth, brigham brush and greasewood.
 Fair grass.

40.00 N. $0^{\circ} 1'$ W. bet. secs. 23 and 24.
 Over rolling land, through scattering timber and under-
 growth.
 Asc. gradual S. slope, 110 ft.
 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

$\frac{1}{4}$
 S23 | S24
 1917

62.50 from which,
 80.00 A pinion, 12 ins. diam., brs. S. $3\frac{1}{4}^{\circ}$ E.
 349 lks. dist.; mkd. $\frac{1}{4}$ S 24 B T.
 A pinion, 12 ins. diam., brs. S. $66\frac{1}{4}^{\circ}$ W.
 565 lks. dist.; mkd. $\frac{1}{4}$ S 23 B T.
 Asc. 216 ft.
 Head of rocky wash, course SE.
 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the
 ground, in a mound of stone, for cor. of secs. 13, 14,
 23 and 24, mkd. on brass cap

T29N R 7E
 S14 | S13
 S23 | S24
 1917

from which,
 A cedar, 14 ins. diam., brs. N. $66\frac{1}{2}^{\circ}$ E.
 57 lks. dist.; mkd. T 29 N R 7 E S 13 B T.
 A cedar, 14 ins. diam., brs. S. $29\frac{3}{4}^{\circ}$ E.
 44 lks. dist.; mkd. T 29 N R 7 E S 24 B T.
 A pinion, 12 ins. diam., brs. S. $46\frac{1}{4}^{\circ}$ W.
 51 lks. dist.; mkd. T 29 N R 7 E S 23 B T.

Survey of Portion of Subdivision of T. 29 N., R. 7 E., S. 26, 27, 34 & 35

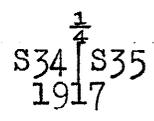
Chains

A pinion, 13 ins. diam., brs. N. 70° W.
 56 lks. dist.; mkd. T 29 N R 7 E S 14 B T.
 Land, rolling, general S. slope.
 Soil, rocky.
 Timber, scattering pinion and cedar.
 Undergrowth, brigham brush and greasewood.
 Short grass.

From the standard cor. of secs. 34 & 35, on S. bdy. of Tp.,
 (with standard parallel, N.) hereinbefore described,
 N. 0° 1' W. bet. secs. 34 and 35.
 Over rough boulder strewn E. slope, through scattering
 timber and undergrowth.

5.00
 14.00
 40.00

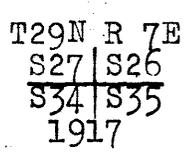
Desc. 23 ft. to
 Asc. 144 ft.
 Thence over gently rolling S. slope.
 Set an iron post, 3 ft. long, lin. diam., 26 ins. in the
 ground, for 1/4 sec. cor., mkd. on brass cap



from which,
 A cedar, 8 ins. diam., brs. S. 52° E.
 550 lks. dist.; mkd. 1/4 S 35 B T.
 A pinion, 6 ins. diam., brs. S. 4° W.
 479 lks. dist.; mkd. 1/4 S 34 B T.

80.00

Thence over rolling land.
 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 26, 27, 34 and 35, mkd. on
 brass cap



from which,
 A pinion, (12) ins. diam., brs. N. 77 1/4° E.
 430 lks. dist.; mkd. T 29 N R 7 E S 26 B T.
 A pinion, 14 ins. diam., brs. S. 79 3/4° E.
 513 lks. dist.; mkd. T 29 N R 7 E S 35 B T.
 A pinion, (10) ins. diam., brs. N. 21 1/2° W.
 525 lks. dist.; mkd. T 29 N R 7 E S 27 B T.

No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.
 Land, S. half mile, mountainous and rough, remainder
 rolling.
 Soil, rocky loam.
 Timber, scattering pinion and cedar.
 Undergrowth, brigham brush and greasewood.
 Short grass.

40.00
 80.01

East on a random line bet. secs. 26 and 35.
 Set temp. 1/4 sec. cor.
 Intersect N. and S. line, 14 lks. N. of cor. of secs.
 25, 26, 35 and 36,
 Thence
 N. 89° 54' W. on a true line bet. secs. 26 and 35.
 Over rolling land, through scattering timber and under-
 growth.
 Desc. 32 ft.
 Wash, 10 lks. wide, course SW. Asc. 29 ft. to
 Desc. 29 ft. to

25.90
 35.00

10 Survey of Portion of Subdivision of T. 29 N. R. 7 E.

Chains
40.00 1/2

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 26
S 35
1917

from which,

A pinion, 6 ins. diam., brs. N. 37° W.
233 lks. dist.; mkd. 1/4 S 26 B T.

A pinion, 14 ins. diam., brs. S. 54° W.
423 lks. dist.; mkd. 1/4 S 35 B T.

Desc. W. slope, 138 ft.

67.35 Wash, 25 lks. wide, course S. Asc. steep E. slope, 200 ft.

75.00 Thence over gentle descent.

80.01 The cor. of secs. 26, 27, 34 and 35.

Land, rolling.

Soil, rocky loam.

Timber, pinion and cedar.

Undergrowth, greasewood and brigham brush.

Short grass.

N. 0° 1' W. bet. secs. 26 and 27.

Over gently rolling land, through scattering timber and undergrowth.

14.00 Desc. NE. slope, 144 ft.

21.90 Wash, 25 lks. wide, course SE. Asc. SW. slope.

27.00 Desc. abrupt NW. slope, 41 ft.

27.97 Wash, 30 lks. wide, course SW. Asc. 36 ft.

Over top of point slopes E.

32.40 Same wash, course SE. Asc. SW. slope.

39.00 Desc. NW. 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 26
S 27 | S 26
1917

from which,

A pinion, 14 ins. diam., brs. S. 70° E.
134 lks. dist.; mkd. 1/4 S 26 B T.

A pinion, 14 ins. diam., brs. S. 36 1/2° W.
117 lks. dist.; mkd. 1/4 S 27 B T.

48.00 Wash, 20 lks. wide, course S. 20° W. Asc. SE. slope.

50.25 Thence over rolling land, draining SE.

77.50 Hogons bear W. 7 chs. dist.

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

T29N R 7E
S22 | S23
S27 | S26
1917

from which,

A cedar, 8 ins. diam., brs. N. 31 1/2° E.
328 lks. dist.; mkd. T 29 N R 7 E S 23 B T.

A cedar, 14 ins. diam., brs. S. 81 1/2° E.
263 lks. dist.; mkd. T 29 N R 7 E S 26 B T.

A pinion, 12 ins. diam., brs. S. 48 1/2° W.
402 lks. dist.; mkd. T 29 N R 7 E S 27 B T.

A cedar, 18 ins. diam., brs. N. 38 1/2° W.
249 lks. dist.; mkd. T 29 N R 7 E S 22 B T.

Land, rolling and broken.

Soil, thin and rocky.

Timber, pinion and cedar.

Undergrowth, brigham brush and greasewood.--Short grass.

Survey of Portion of Subdivision of T. 29 N. R. 7 E.

Chains
 40.00 East on a random line bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.07 Intersect N. and S. line, 12 lks. N. of cor. of secs.
 23, 24, 25 and 26.
 Thence
 N. $89^{\circ} 55'$ W. on a true line bet. secs. 23 and 26.
 Over rolling land, through scattering timber and under-
 growth.
 4.00 Wash, 20 lks. wide, course SW.
 27.00 Shallow draw, course SE. Desc. 19 ft.
 40.03 $\frac{1}{2}$ 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 23
 $\frac{1}{4}$ S 26
 1917

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 55.30 Wash, 20 lks. wide, course SW.
 Asc. 80 ft.
 73.05 Wash, 10 lks. wide, course S. Asc. gradual E. slope, to
 80.07 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling.
 Soil, rocky loam.
 Timber, scattering cedar and pinion.
 Undergrowth, greasewood and brigham brush.
 Short grass.

N. $0^{\circ} 1'$ W. bet. secs. 22 and 23.
 Asc. gradual rolling S. slope, through scattering timber
 and undergrowth.
 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

$\frac{1}{4}$
 S22 | S23
 1917

from which,
 A cedar, 20 ins. diam., brs. N. 75° E.
 458 lks. dist.; mkd. $\frac{1}{4}$ S 23 B T.
 A cedar, 8 ins. diam., brs. N. 77° W.
 408 lks. dist.; mkd. $\frac{1}{4}$ S 22 B T.

65.00 Desc. NW. slope, 47 ft.
 72.28 Wash, 20 lks. wide, course SW. Asc. S. slope, 29 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the
 ground, in a mound of stone, for cor. of secs. 14,
 15, 22 and 23, mkd. on brass cap

T29N R 7E
 S15 | S14
 S22 | S23
 1917

from which,
 A cedar, 12 ins. diam., brs. N. 65° E.
 194 lks. dist.; mkd. T 29 N R 7 E S 14 B T.
 A pinion, 12 ins. diam., brs. S. $62\frac{1}{4}^{\circ}$ E.
 176 lks. dist.; mkd. T 29 N R 7 E S 23 B T.
 A cedar, 14 ins. diam., brs. S. 33° W.
 43 lks. dist.; mkd. T 29 N R 7 E S 22 B T.
 A cedar, 14 ins. diam., brs. N. $64\frac{1}{2}^{\circ}$ W.
 273 lks. dist.; mkd. T 29 N R 7 E S 15 B T.

Land, rolling.
 Soil, rocky loam, subsoil calcareous.
 Timber, pinion and cedar.
 Undergrowth, brigham brush and greasewood.
 Short grass.

1296 Survey of Portion of Subdivision of T. 29 N., R. 7 E.

Chains

40.00 East on a random line bet. secs. 14 and 23.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.97 Intersect N. and S. line, 12 lks. N. of cor. of secs.
 13, 14, 23 and 24.
 Thence
 N. $89^{\circ} 55'$ W. on a true line bet. secs. 14 and 23.
 Over level land, through scattering timber and undergrowth.
 2.00 Desc. rocky NW. slope, 91 ft.
 6.65 Wash, 10 lks. wide, course S. Asc. SE. slope, 146 ft.
 25.00 Ridge slopes S. Desc. SW. slope, 130 ft.
 33.33 Wash, 20 lks. wide, course SE. Asc. E. slope, 124 ft.
 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

$\frac{1}{4}$ S 14
 $\frac{1}{4}$ S 23
 1917

from which,

A cedar, 16 ins. diam., brs. N. $45\frac{1}{4}^{\circ}$ W.
 209 lks. dist.; mkd. $\frac{1}{4}$ S 14 B T.
 A cedar, 8 ins. diam., brs. S. 60° W.
 99 lks. dist.; mkd. $\frac{1}{4}$ S 23 B T.

41.00 Top of point slopes S.
 45.00 Desc. E. slope, 161 ft.
 60.00 Enter draw, course S.
 62.70 Leave draw, course S. Asc. E. slope, 60 ft.
 69.00 Ridge brs. N. and S. Desc. gradual slope, 34 ft.
 79.97 The cor. of secs. 14, 15, 22 and 23.
 Land, rolling mountainous.
 Soil, rocky loam, 12 ins. deep; subsoil, gravelly, loose
 texture.
 Timber, cedar and pinion.
 Undergrowth, brigham brush and greasewood.
 Short grass.

From the standard cor. of secs. 33 and 34, S. bdy. of Tp.,
 (7th. Std. Par. No.) hereinbefore described,
 N. $0^{\circ} 2'$ W. bet. secs. 33 and 34.

Over rolling land.
 5.00 Enter scattering timber and undergrowth. Asc. gradual
 S. slope.
 40.00 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

$\frac{1}{4}$
 S33 | S34
 1917

from which,

A pinion, 8 ins. diam., brs. N. $63\frac{1}{2}^{\circ}$ E.
 177 lks. dist.; mkd. $\frac{1}{4}$ S 34 B T.
 A pinion, 8 ins. diam., brs. N. $51\frac{1}{4}^{\circ}$ W.
 117 lks. dist.; mkd. $\frac{1}{4}$ S 33 B T.

55.00 Desc. NE. slope, 52 ft.
 60.00 Enter draw, course SE.
 75.00 Leave draw..
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
 ground, in a mound of stone, for cor. of secs. 27,
 28, 33 and 34, mkd. on brass cap

T29N R 7E
 S28 | S27
 S33 | S34
 1917

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

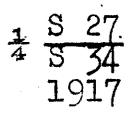
Survey of Portion of subdivision of T. 29 N. R. 7 E.

Chains

Land, rolling.
Soil, rocky loam.
Timber, cedar and pinion.
Undergrowth, brigham brush and greasewood.
Fair grass.

40.00 East on a random line bet. secs. 27 and 34.
Set temp. $\frac{1}{4}$ sec. cor.
80.22 Intersect N. and S. line, 8 lks. N. of cor. of secs. 26,
27, 34 and 35.

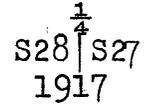
Thence
N. $89^{\circ} 57'$ W. on a true line bet. secs. 27 and 34.
Over gently rolling land, through scattering timber and
undergrowth.
40.11 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
brass cap



from which,
A pinion, 10 ins. diam., brs. N. 45° W.
43 lks. dist.; mkd. $\frac{1}{4}$ S 27 B T.
A pinion, 12 ins. diam., brs. S. $17\frac{1}{4}^{\circ}$ W.
250 lks. dist.; mkd. $\frac{1}{4}$ S 34 B T.

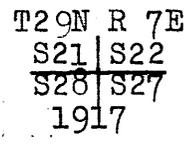
80.22 The cor. of secs. 27, 28, 33 and 34.
Land, gently rolling.
Soil, rocky loam, 8 ins. deep, subsoil, gravelly.
Timber, scattering cedar and pinion.
Undergrowth, brigham brush and greasewood.
Short grass.

N. $0^{\circ} 2'$ W. bet. secs. 27 and 28.
Over rolling land, through scattering timber and under-
growth.
Asc. gradual slope, 43 ft.
25.00 Desc. gradual slope, 43 ft.
34.26 Trail brs. NE. and SW.
35.00 Shallow draw, course SW. Asc. 23 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



from which,
A cedar limb, 6 ins. diam., brs. S. $57\frac{3}{4}^{\circ}$ E.
216 lks. dist.; mkd. $\frac{1}{4}$ S 27 B T.

No other trees within limits.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Continue over gentle SW. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
ground, for cor. of secs. 21, 22, 27 and 28, mkd. on
brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

14 Survey of Portion of Subdivision of T. 29 N. R. 7 E.

Chains

Land, gently rolling and nearly level.
Soil, rocky loam, 12 ins. deep, gravelly subsoil.
Timber, cedar and pinion.
Undergrowth, brigham brush and greasewood.
Short grass.

40.00 East on a random line bet. secs. 22 and 27.
80.37 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 11 lks. N. of cor. of secs.
22, 23, 26 and 27.
Thence
N. 89° 55' W. on a true line bet. secs. 22 and 27.
Over rolling land, through scattering timber and under-
growth.
Asc. gradual slope, 23 ft. to
20.40 Desc. 77 ft.
32.40 Shallow draw, course SE. Asc. gradual slope.
40.18 1/2 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 22
1/4 S 27
1917

from which,

A cedar, 6 ins. diam., brs. N. 82° W.
152 lks. dist.; mkd. 1/4 S 22 B T.

A cedar, 14 ins. diam., brs. S. 61 1/4° W.
135 lks. dist.; mkd. 1/4 S 27 B T.

80.37 Thence over gently rolling land.
The cor. of secs. 21, 22, 27 and 28.
Land, rolling.
Soil, rocky loam, subsoil calcareous.
Timber, cedar and pinion.
Undergrowth, brigham brush and greasewood.
Short grass.

6.00 N. 0° 2' W. bet. secs. 21 and 22.
11.00 Over rolling land, through scattering undergrowth.
20.00 Desc. gentle NW. slope.
Enter draw, course SW.
Leave draw. Asc. SW. slope, 23 ft.
36.00 Top of ascent brs. NW. to SE. extending to the SE. 8 chs.
40.00 dist. Desc. 29 ft.
Enter draw, course SE.
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 21 | S 22
1917

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.

75.00 Leave draw. Thence over gentle ascent.
65.90 Trail brs. E. and W.
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. 15,
16, 21 and 22, mkd. on brass cap

T29N R 7E
S16 | S15
S21 | S22
1917

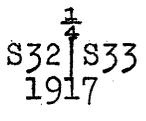
Summary of Portion of Subdivision of T. 29 N. R. 7 E. 15

Chains

from which,
 A cedar, 16 ins. diam., brs. N. $69\frac{1}{2}^\circ$ E.
 315 lks. dist.; mkd. T 29 N R 7 E S 15 B T.
 A cedar, 36 ins. diam., brs. N. 29° W.
 591 lks. dist.; mkd. T 29 N R 7 E S 16 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 and nearly level in draw.
 Soil, rocky loam, sandy and fine texture, 12 ins. deep;
 subsoil, gravelly, loose texture.
 Timber, cedar and pinion.
 Undergrowth, cactus, brigham brush and greasewood.
 Short grass.

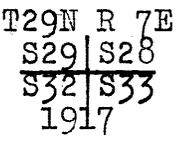
22.80
28.50
40.00

From the standard cor. of secs. 32 and 33, on S. ~~body~~ of Tp.
 (17th. Std. Par. N.E.) hereinbefore described,
 N. $0^\circ 3'$ W. over gently rolling land, through scattering
 timber and undergrowth.
 Wash, 20 lks. wide, course SE. Asc. SW. slope, 32 ft.
 Top of ascent. Thence over gently rolling land.
 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



80.00

from which,
 A pinion, 12 ins. diam., brs. S. $66\frac{1}{2}^\circ$ E.
 354 lks. dist.; mkd. $\frac{1}{4}$ S 33 B T.
 No other trees within limits.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in
 the ground, in a mound of stone, for cor. of secs.
 28, 29, 32 and 33, mkd. on brass cap



from which,
 A pinion, 12 ins. diam., brs. N. $58\frac{1}{2}^\circ$ E.
 505 lks. dist.; mkd. T 29 N R 7 E S 28 B T.
 A cedar, 10 ins. diam., brs. N. 64° W.
 259 lks. dist.; mkd. T 29 N R 7 E S 29 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, S. 20 chs., gently rolling, remainder almost level
 mesa top.
 Soil, rocky and gravelly.
 Timber, cedar and pinion.
 Undergrowth, greasewood and brigham brush.
 Short grass.

40.00
79.88

East on a random line bet. secs. 28 and 33.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 6 lks. N. of cor. of secs. 27,
 28, 33 and 34.
 Thence
 N. $89^\circ 57'$ W. on a true line bet. secs. 28 and 33.
 Over rolling land, through scattering timber and under-
 growth.

16 Survey of Portion of Subdivision of T. 29 N. R. 7 E.

Chains

9.90 Across draw to
 14.90 Asc. NE. slope, 53 ft.
 32.20 Ridge brs. NW. and SE. Desc. W. slope, 69 ft.
 32.50 Old road brs. N. and S.
 Wash, 10 lks. wide, course S. Thence over gently rolling
 land.
 39.94 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 28
 S 33
 1917

from which,
 A cedar, 8 ins. diam., brs. S. $60\frac{1}{4}^\circ$ W.
 417 lks. dist.; mkd. $\frac{1}{4}$ S 33 B T.

No other trees within limits.
 60.00 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Asc. gradual slope 52 ft.
 79.88 Draw, 1 ch. wide, course SE.
 The cor. of secs. 28, 29, 32 and 33.
 Land, rolling.
 Soil, rocky loam, medium texture.
 Timber, cedar and pinion.
 Undergrowth, brigham brush and greasewood.
 Short grass.

13.98 N. $0^\circ 3'$ W. bet. secs. 28 and 29.
 40.00 Over gently rolling land, through scattering undergrowth.
 Desc. gradual NE. slope, 23 ft.
 Wash, 20 lks. wide, course SE. Asc. 23 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

S29 | S28
 1917

80.00 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in
 the ground, in a mound of stone, for cor. of secs.
 20, 21, 28 and 29, mkd. on brass cap

T29 N R 7 E
 S20 | S21
 S29 | S28
 1917

from which,
 A cedar, 9 ins. diam., brs. S. 19° E.
 169 lks. dist.; mkd. T 29 N R 7 E S 28 B T.
 A cedar, 14 ins. diam., brs. S. 40° W.
 312 lks. dist.; mkd. T 29 N R 7 E S 29 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, gently rolling.
 Soil, rocky loam.
 Timber, cedar and pinion.
 Undergrowth, brigham brush and greasewood.
 Short grass.

40.00 The cor. of secs. 21, 22, 27 and 28 being plainly visible,
 79.85 S. $89^\circ 58'$ E., on a random line for dist. only, bet. secs. 21 and
 28.
 Set temp. $\frac{1}{4}$ sec. cor.
 The cor. of secs. 21, 22, 27 and 28.

Survey of a Portion of Subdivision of Township 29 North, Range 7 East. 1771

Chains.	<p>Thence, N. 89° 58' W. on a true line, bet. secs. 21 and 28. Over rolling and level land, thru. scattering timber and undergrowth. Descend 23 ft. 22.25 Draw, 3 chs. wide, course SW. 34.85 Draw, 2 chs. wide, course S. 39.92½ Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, $\begin{array}{r} \frac{1}{4} S 21 \\ \frac{1}{4} S 28 \\ \hline 1917 \end{array}$ and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. 46.85 Descend SW. slope, 48 ft. 55.75 Dim road, brs. NW. and SE. 69.00 Draw, course SE. Ascend 55 ft. 79.85 The cor. of secs. 20, 21, 28 and 29. Land, rolling. Soil, rocky loam, fine sandy texture. Timber, pinon and cedar. Undergrowth, brigham brush and greasewood. Short grass.</p> <hr/> <p>N. 0° 3' W., bet. secs. 20 and 21. Over nearly level land, thru. scattering timber and undergrowth. 20.00 Descend NE. slope, 31 ft. 25.00 Ascend 23 ft. to 27.00 Thence over nearly level land. 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, in a mound of stone, for ¼ sec. cor., marked on brass cap, $\begin{array}{r} \frac{1}{4} S 20 \\ \frac{1}{4} S 21 \\ \hline 1917 \end{array}$ from which, A cedar, 20 ins. in diam., brs. S. 47½° E., 106 lks. dist., marked ¼ S 21 B T. A cedar, 12 ins. in diam., brs. S. 86½° W., 111 lks. dist., marked ¼ S 20 B T. Thence across draw, course SE. 65.70 Trail, brs. E. and W. 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap, $\begin{array}{r} T29N R 7E \\ \hline S17 S16 \\ \hline S20 S21 \\ \hline 1917 \end{array}$ from which, A cedar, 10 ins. in diam., brs. N. 9½° E., 295 lks. dist., marked T 29 N R 7 E S 16 B T. A cedar, 36 ins. in diam., brs. S. 13½° E., 41 lks. dist., marked T 29 N R 7 E S 21 B T. A cedar, 20 ins. in diam., brs. S. 61½° W., 313 lks. dist., marked T 29 N R 7 E S 20 B T. A cedar, 10 ins. in diam., brs. W. 23½° W., 55 lks. dist., marked T 29 N R 7 E S 17 B T. Land, gently rolling. Soil, rocky loam. Timber, cedar and pinon. Undergrowth, brigham brush and greasewood. Short grass.</p> <hr/> <p>East, on a random line, bet. secs. 16 and 21. 40.00 Set temp. ¼ sec. cor. 79.99 Fall 9 lks. N. of the cor. of secs. 15, 16, 21 and 22. Thence, N. 89° 56' W., on a true line, bet. secs. 16 and 21. Over rolling land; descend gradually over SW. slope. 6.00 Edge of draw, brs. NW. and SE.; thence across draw, course SE.</p>
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Survey of a

1801. Portion of Subdivision of Township 29 North, Range 7 East.

Chains.

12.00 Leave draw. Enter scattering timber; ascend 75 ft. over NE. slope.

20.00 Top of ascent, ridge brs. NW. and SE. Descend slightly over SW. slope.

39.99½ Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

¼ S 16

S 21

1917

from which,

A pinon, 14 ins. in diam., brs. N. 56° 30' W., 81 lks. dist., marked ¼ S 16 B T.

A cedar, 16 ins. in diam., brs. S. 37° 45' W., 240 lks. dist., marked ¼ S 21 B T.

Thence over slightly rolling S. slope.

56.50 North end of hogan.

57.00 Tree corral.

62.50 Descend 150 ft., over SW. slope.

74.00 Foot of slope; enter draw, course SE.

75.65 Dim road, brs. N. and S.

79.99 The cor. of secs. 16, 17, 20 and 21.

Land, rolling and mountainous. Soil, thin rocky loam.

Timber, pine and cedar, scattering growth.

Undergrowth, greasewood and brigham brush. Short grass.

From the standard cor. of secs. 31 & 32, on 7th. Standard Parallel North (hereinbefore described,

N. 0° 3' W., bet. secs. 31 and 32.

Over rolling land, thru. scattering timber & undergrowth.

Descend 12 ft.

2.09 Wash, 10 lks. wide, course SE.

30.00 Descend NW. slope, 77 ft.

38.01 Wash, 30 lks. wide, course NE. Ascend SW. slope, 85 ft.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

S 31 | S 32

1917

from which,

A pinon, 6 ins. in diam., brs. N. 50½° E., 73 lks. dist., marked ¼ S 32 B T.

A pinon, 10 ins. in diam., brs. S. 39½° W., 83 lks. dist., marked ¼ S 31 B T.

47.00 Over level land.

65.70 Wash, 10 lks. wide, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 29, 30, 31 and 32, marked on brass cap,

T 29 N | R 7 E

S 30 | S 29

S 31 | S 32

1917

from which,

A cedar, 14 ins. in diam., brs. N. 61½° E., 146 lks. dist., marked T 29 N R 7 E S 29 B T.

A cedar, 9 ins. in diam., brs. S. 56½° E., 289 lks. dist., marked T 29 N R 7 E S 32 B T.

A pinon, 10 ins. in diam., brs. S. 2¼° W., 297 lks. dist., marked T 29 N R 7 E S 31 B T.

A cedar, 8 ins. in diam., brs. N. 33¼° W., 370 lks. dist., marked T 29 N R 7 E S 30 B T.

Land, gently rolling and level.

Soil, thin, rocky loam.

Timber, cedar and pinon.

Undergrowth, brigham brush and greasewood. Short grass.

East, on a random line, bet. secs. 29 and 32.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence,

Survey of a
Portion of Subdivision of Township 29 North, Range 7 East. 119

Chains. N.89° 58' W., on a true line, bet. secs. 29 and 32.
Over level land, thru scattering timber and undergrowth.
Descend W. slope, 68 ft.
33.52 Draw, 1 chain wide, course S.
Earth dam, brs. S. 3.50 chs. dist. Ascend SE. slope, 95 ft.
34.26 Dim road, brs. N. and S.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 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
1917
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of
cor.
41.00 Top of mesa point, slopes SE. Thence along S. slope.
50.00 Descend SW. slope, 65 ft.
56.98 Dry wash, 10 lks. wide, course SE. Ascend NE. slope, 98 ft.
77.68 Dim road, brs. NW. and SE. Ascend NE. slope.
80.00 The cor. of secs. 29, 30, 31 and 32.
Land, level and rolling.
Soil, thin and rocky loam.
Timber, cedar and pinon.
Undergrowth, greasewood and brigham brush.
Short grass.

The cor. of secs. 25, 30, 31 and 36, W. bdy. of Tp., being
plainly visible,
N.89° 57' W., on a random line for distance only, bet. secs.
30 and 31.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
65.82 Intersect W. bdy. of Tp., at the cor. of secs. 25, 30, 31
and 36, described in Book "D".
Thence,
S.89° 57' E., on a true line, bet. secs. 30 and 31.
Over level land, thru scattering timber and undergrowth,
25.82 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
S 31
1917
from which,
A cedar, 20 ins. in diam., brs. N.37° E., 42 lks.
dist., marked $\frac{1}{4}$ S 30 B T.
A cedar, 8 ins. in diam., brs. S.68° E., 140 lks.
dist., marked $\frac{1}{4}$ S 31 B T.
65.82 The cor. of secs. 29, 30, 31 and 32.
Land, level and gently rolling.
Soil, rocky loam.
Timber, pinon and cedar.
Undergrowth, greasewood, white sagebrush and brigham
brush. Short grass.

N.0° 3' W., bet. secs. 29 and 30.
Over rolling land, thru scattering timber and undergrowth.
Descend gradual NE. slope, 98 ft.
20.00 Bottom of canyon, course SE.
26.80 Wash, 40 lks. wide, course SE. Ascend SW. slope, 77 ft.
35.00 Top of point extends SE., 5 chs. dist. Thence along E.
slope.
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,
s30 $\frac{1}{4}$ s29
1917

Survey of
20. Portion of Subdivision of Township 29 North, Range 7 East.

Chains.
42.35
55.00
80.00

from which,

A cedar, 8 ins. in diam., brs. S. 32° E., 261 lks.
dist., marked $\frac{1}{4}$ S 29. B T.

A cedar, 18 ins. in diam., brs. N. 29 $\frac{1}{4}$ ° W., 306 lks.
dist., marked $\frac{1}{4}$ S 30. B T.

Descend NE. slope, 30 ft.

Wash, 30 lks. wide, course SE. Ascend 29 ft., over SW. slope.

Descend gradual slope.

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 19, 20, 29 and 30, marked on
brass cap,

T29N, R7 E
s19 | s20
s30 | s29
1917

from which,

A cedar, 16 ins. in diam., brs. N. 56° E., 289 lks.
dist., marked T 29 N R 7 E S 20 B T.

A pinon, 10 ins. in diam., brs. S. 31° E., 228 lks.
dist., marked T 29 N R 7 E S 29 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, rocky loam.

Timber, cedar and pinon.

Undergrowth, brigham brush and greasewood.

Short grass.

40.00
80.15

East, on a random line, bet. secs. 20 and 29.

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

Intersect N. and S. line, 7 lks. N. of the cor. of secs. 20, 21,
28 and 29.

Thence,

N. 89° 57' W., on a true line, bet. secs. 20 and 29.

Over nearly level land, thru scattering timber and under-
growth.

25.00
40.07 $\frac{1}{2}$

Descend gradual W. slope, 63 ft.

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 20
S 29
1917

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of
cor.

45.65
48.15
65.15
80.15

Road brs. N. and S. Ascend gradual slope. 121 ft.

Across draw, course SE.

Thence over gentle descent.

The cor. of secs. 19, 20, 29 and 30.

Land, gently rolling.

Soil, rocky loam.

Timber, scattering pinon and cedar.

Undergrowth, brigham brush and greasewood.

Short grass.

40.00
65.73

West, on a random line, bet. secs. 19 and 30.

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

Intersect W. bdy. of Tp., 4 lks. N. of cor. of secs. 19, 24,
25 and 30, as described in Book 3278.

Thence,

N. 89° 58' E., on a true line, bet. secs. 19 and 30.

Over rolling land, thru scattering timber and undergrowth.

Chains

3.00 Asc. gradual slope to
 Thence over nearly level land.
 17.00 Desc. E. slope 28 ft.
 20.73 Thence over level land.
 25.73 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
 brass cap

$\frac{1}{4}$ S 19
 $\frac{1}{4}$ S 30
 1917

from which,
 A cedar, 10 ins. diam., brs. N. $20\frac{1}{2}^\circ$ W.
 260 lks. dist.; mkd. $\frac{1}{4}$ S 19 B T.
 A cedar, 16 ins. diam., brs. S. 86° E.
 38 lks. dist.; mkd. $\frac{1}{4}$ S 30 B T.

65.73 The cor. of secs. 19, 20, 29 and 30.
 Land, gently rolling and level.
 Soil, rocky loam, 12 ins. deep, subsoil, gravelly, loose
 texture.
 Timber, pinion and cedar.
 Undergrowth, sagebrush, greasewood and brigham brush.
 Short grass.

N. $0^\circ 3'$ W. bet. secs. 19 and 20.
 Over rolling land, through scattering timber and under-
 growth.

11.00 Desc. gradual N. slope 29 ft.
 23.90 Old corral brs. W. 40 lks. dist.
 40.00 Wash, 20 lks. wide, course SE. Asc. SW. slope, 34 ft.
 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

$\frac{1}{4}$
 S19 | S20
 1917

from which,
 A cedar, 14 ins. diam., brs. N. $42\frac{1}{4}^\circ$ E.
 67 lks. dist.; mkd. $\frac{1}{4}$ S 20 B T.
 A cedar, 18 ins. diam., brs. S. $62\frac{1}{2}^\circ$ W.
 71 lks. dist.; mkd. $\frac{1}{4}$ S 19 B T.

64.00 Desc. NE. slope 59 ft.
 64.50 Trail brs. NE. and SW.
 66.76 Road brs. E. and W.
 72.30 Wash, 20 lks. wide, course SE.
 74.20 Trail brs. NE. and SW. Asc. SW. slope, 69 ft.
 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. 17,
 18, 19 and 20, mkd. on brass cap

T29N2R 7E
 S18 | S17
 S19 | S20
 1917

from which,
 A cedar, 12 ins. diam., brs. N. $34\frac{1}{2}^\circ$ E.
 55 lks. dist.; mkd. T 29 N R 7 E S 17 B T.
 A pinion, 10 ins. diam., brs. S. 52° E.
 35 lks. dist.; mkd. T 29 N R 7 E S 20 B T.
 A pinion, 10 ins. diam., brs. S. $26\frac{3}{4}^\circ$ W.
 68 lks. dist.; mkd. T 29 N R 7 E S 19 B T.
 A pinion, 10 ins. diam., brs. N. $44\frac{1}{2}^\circ$ W.
 46 lks. dist.; mkd. T 29 N R 7 E S 18 B T.

22 Survey of Portion of Subdivision of T. 29 N., R. 7 E.

Chains

Land, rolling and broken.
Soil, rocky loam, sandy.
Timber, pinion and cedar.
Undergrowth, white sagebrush, greasewood and brigham brush.
Grass.

40.00 West on a random line bet. secs. 18 and 19.
Set temp. $\frac{1}{4}$ sec. cor.

65.48 Intersect W. bdy. of Tp., 16 lks. N. of cor. of secs. 13, 18, 19 and 24, described in Book "D".

Thence
N. $89^{\circ} 52' E.$ on a true line bet. secs. 18 and 19.
Over rolling broken land, through scattering timber and undergrowth.

5.00 Desc. E. slope, 111 ft.

12.61 Wash, 20 lks. wide, course S. Asc. W. slope, 97 ft.

17.00 Top of ascent slopes SE. Desc. 44 ft.

23.60 Wash, 20 lks. wide, course SE. Asc. gradual slope.

25.48 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 18
S 19
1917

from which,
A cedar, 18 ins. diam., brs. N. $58\frac{1}{4}^{\circ} W.$
193 lks. dist.; mkd. $\frac{1}{4}$ S 18 B T.
A pinion, 8 ins. diam., brs. S. $9\frac{3}{4}^{\circ} W.$
57 lks. dist.; mkd. $\frac{1}{4}$ S 19 B T.

Asc. 43 ft.

29.16 Road brs. NW. and SE.

35.66 Thence over level land.

40.66 Desc. gradual NE. slope, 23 ft.

50.00 Desc. 72 ft.

45.66 New hogan brs. S. 5 chs. dist.

48.66 Navajo bath house brs. S. 1 ch. dist.

60.66 Wash, 20 lks. wide, course SE. Asc. SW. slope, 50 ft.

65.48 The cor. of secs. 17, 18, 19 and 20.
Land, rolling. Soil, rocky loam. Timber, cedar and pine.
Undergrowth, greasewood & brigham brush. Short grass.

Bdrs. of that portion of T29 N., R. 7E. subdivided under this Grp.
Latitudes, Departures, and Closing Errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary (7th. Std. Par. N.)	West	465.65			465.65	
West boundary,	North,	240.00	240.00			
Subdivisional boundary.	N. $89^{\circ} 52' E.$	65.48	.15		65.48	
	S. $0^{\circ} 3' E.$	80.00		80.00	.07	
	S. $89^{\circ} 57' E.$	80.15		.07	80.15	
	N. $0^{\circ} 3' W.$	80.00	80.00			.07
	S. $89^{\circ} 56' E.$	79.99		.09	79.99	
	S. $0^{\circ} 02' E.$	80.00		80.00	.05	
	S. $89^{\circ} 55' E.$	80.37		.12	80.37	
	N. $0^{\circ} 1' W.$	80.00	80.00			.02
	S. $89^{\circ} 55' E.$	79.97		.12	79.97	
S. $0^{\circ} 01' E.$	80.00		80.00	.02		
N. $89^{\circ} 44' E.$	79.76	.37		79.76		
East boundary,	South	160.00		160.00		
Convergency,					.21	
Totals,			400.52	400.40	466.07	465.74
			400.40		465.74	
Error in latitude,		0.12				
Error in departure,					0.33	

GENERAL DESCRIPTION.

That portion of T.29 N., R. 7 E., subdivided as described in the foregoing notes, has a rolling broken and level surface, draining south, with a scattering growth of cedar and pinon timber, and a scattering growth of greasewood and brigham brush. The soil is rocky and gravelly, 2nd and 3rd rate. A fair growth of short grass over all the surface affords grazing in certain seasons. There is no permanent water, and no settlers. The only improvements are hogans in secs. 19 and 27, a Navajo bath house in sec. 19, and corrals in secs. 19 and 21. No evidence of valuable mineral exists. Several roads and trails traverse the sections surveyed. Sections 1, 2, 11, 12, 13 and 14, unsurveyed, are with the Navajo Indian Reservation.

Thomas B. Matthews, S.

For CERTIFICATE OF UNITED STATES SURVEYOR.

BOOK 278

See Book "A" of this Group.

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 Instructions, 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 Instructions, 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, February 8, 1919

The foregoing field notes of the survey of the _____
 7th. Standard Parallel North, thru. Range 7 East,
 Part of the East boundary, and
 Part of the Subdivision lines of
TOWNSHIP 29 NORTH, RANGE 7 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,
 executed by Thomas B. Matthews, U. S. Surveyor, _____,
 under ~~his~~ special instructions dated Jan'y. 5, 1916, for Group 67, Arizona ~~for~~, 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.~~