

BOOK 3941

FIELD NOTES

OF THE SURVEY OF THE

East Boundary,

Part (Completion) of the North Boundary,

and

Part (Completion) of the Subdivisions of

Township 21 North, Range 11 East

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

Benjamin J. Kinsey

U. S. Surveyor

In the capacity of U. S. Surveyor, under Special Instructions dated May 14, 1932, issued by the District Cadastral Engineer to govern surveys included in Group No. 177, which were approved by the Commissioner of the General Land Office, May 19, 1932, and Assignment Instructions dated May 18, 1932.

Survey commenced May 27, 1932

Survey completed June 18, 1932

3941

3941

INDEX DIAGRAM.

Township -----, Range -----

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

BOOK 3941

4-679 b

INDEX DIAGRAM.

Township 21 North, Range 11 East

		9	8	7	6	6		
6	5	37	35 4	29 3	22 2	15 1	5	
			35	28	21	15		
7	8	37	34 9	28 10	21 11	14 12	4	
			34	27	20	13		
18	17	37	33 16	26 15	19 14	12 13	4	
			23	26	19	12		
19	20	36	32 21	25 22	18 23	11 24	3	
			31	24	17	10		
30	29	35	31 28	24 27	17 26	10 25	2	
			30	23	16	9		
31	32		29 33	23 34	16 35	9 36	2	
6	5		4	3	2	1	6	6-4817
<i>5th Standard Parallel North</i>								

BOOK 2941

DATE DIAGRAM

	6-6	6-6-32	6-6-32	6-6-32	6-6-32
	6-17-32	6-17-32	6-16-32	6-13-32	6-10-32
6-17	6-17-32	6-17-32	6-16-32	6-13-32	6-10-32
	6-17-32	6-17-32	6-16-32	6-13-32	6-10-32
6-17	6-17-32	6-17-32	6-16-32	6-13-32	6-9-32
	6-17-32	6-17-32	6-16-32	6-13-32	6-9-32
6-17	6-17-32	6-17-32	6-14-32	6-8-32	6-9-32
	6-15-32	6-15-32	6-14-32	6-8-32	6-9-32
6-15	6-15-32	6-15-32	6-7-32	6-7-32	6-7-32
	6-15-32	6-15-32	6-14-32	6-8-32	6-7-32
6-15	6-15-32	6-15-32	6-14-32	6-8-32	6-7-32
	6-15-32	6-14-32	6-8-32	6-7-32	5-31-32
6-15	6-15-32	6-14-32	6-8-32	6-7-32	5-31-32

The surveys herein described were executed on dates shown on diagram on preceding page, by Benjamin J. Kinsey, U.S. Surveyor, using Young & Sons Transit No. 8540; the instrument is equipped with full vertical circle, Smith solar attachment and otherwise conforms to the standard requirements of the General Land Office; the instrument was approved by the District Cadastral Engineer of Arizona & California, on May 18, 1932, subject to satisfactory field tests. All azimuths are determined with the solar attachment except the special observation upon the sun & Polaris to determine meridians upon which to test the solar apparatus.

PRELIMINARY FIELD TEST
of
Young & Sons Transit No. 8540

May, 27, 1932; at station near the $\frac{1}{4}$ sec. cor. of secs. 25 and 26, T. 21 N., R. 10 E., Gila & Salt River Base and Meridian, Arizona, in latitude $35^{\circ} 11' N.$, and approximate longitude $111^{\circ} 18' W.$, examine the adjustments of the instrument and find no errors.

May, 28; at same station, at 3h. 17m., a.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, marking the mean point in the line thus determined by a tack set in top of a peg driven firmly in the ground about 5 chs. North.

Azimuth of Polaris at eastern elongation: $1^{\circ} 18'$.

At daylight, lay off the azimuth of Polaris, $1^{\circ} 18'$ to the west and mark the meridian thus determined by a tack set in the top of a peg, driven firmly in the ground about 5 chs. N.

At 9h. 00m., a.m., app. t., set off $35^{\circ} 11' N.$, on the lat. arc, $21^{\circ} 31' N.$, on the decl. arc and determine a meridian with the solar which agrees with the true meridian.

At 12h. 00m., app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is $21^{\circ} 32' N.$, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app. t., with lat. arc unchanged, set-off $21^{\circ} 33' N.$; on the decl. arc and determine a meridian with the solar which agrees with the true meridian.

As all of the observations taken during the usual hours of solar work agree within 1' of the true meridian conclude that the instrument is in satisfactory condition.

All measurements are made with a Lufkin steel tape 5-chs. in length, compared with a Lufkin standard and found correct. The measurements are made on the slope, the vertical angle determined with a clinometer and the slope measurements properly reduced to horizontal equivalents.

Chains

The standard corner of Ts. 21 N., Rs. 11 and 12 E., is an iron post 3 ins. in diam., firmly set, projecting 22 ins. above ground and mound of stone, with brass cap properly marked, witnessed by a mound of stone N. of corner. This cor. monument was established by Matthews & Strickler in 1917.

Thence,

North, on a true line, bet. secs. 31 and 36.

Over slightly rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, above 4 in. cross cut on bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36, with brass cap marked

$\frac{1}{4}$
 S 36 | S 31

1932

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the cor. of secs. 25, 30, 31 and 36, with brass cap marked

T 21 N
 R 11 E | R 12 E
 S 25 | S 30
 S 36 | S 31

1932

Land, rolling plains.
 Soil, sandy; stony 3rd. and 4th. rate.
 Timber, none.
 Undergrowth, bunch grass, sage and cacti.

North, on true line, bet. secs. 25 and 30.

Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30, with brass cap marked

$\frac{1}{4}$
 S 25 | S 30

1932

59.55 Road, bears NW and SE.

60.57 Wire fence along R.R. right of way, bears N. 64° 36' W. - and S. 64° 36' E.

61.35 Postal Telegraph line, bears N. 64° 36' W., S. 64° 36' E.

Survey of the East Bdy. of T. 21 N., R. 11 E.

Chains

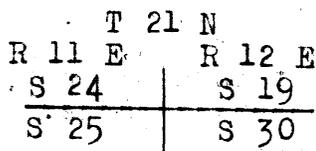
61.70 Railroad signal wires, bears N. 64° 36' W. - S. 64° 36' E.

62.30 Center of double tracks of the Santa Fe R.R., bears N. 64° 36' W., and S. 64° 36' E.

62.95 Western Union Telephone line, bears N. 64° 36' W. and S. 64° 36' E.

63.90 Wire fence, bears N. 64° 36' W., and S. 64° 36' E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bedrock, above cross cut in same, in a mound of stone to top, for the cor. of secs. 19, 24, 25 and 30, with brass cap marked



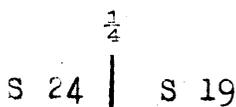
1932

Land, rolling plains.
Soil, sandy, volcanic 4th. rate.
Timber, none.
Undergrowth, bunch grass, cacti and sagebrush.

North, on true line, bet. secs. 19 and 24.

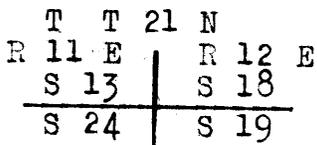
Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the $\frac{1}{2}$ sec. cor. of secs. 19 and 24, with brass cap marked



1932

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, with brass cap marked



1932

Land, rolling.
Soil, sandy, stony volcanic 3rd. and 4th. rate.
Timber, none.
Undergrowth, bunch grass, cacti and sage.

4

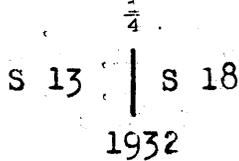
Survey of the East Bdy. of T. 21 N., R. 11 E.

Chains

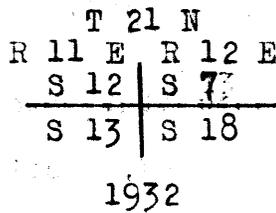
North, on a true line, bet. secs. 13 and 18.
Over rolling land, through scattering undergrowth.

16.50 Road, bears E. and W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, with brass cap marked



80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 7, 12, 13 and 18, with brass cap marked

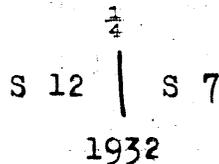


Land, rolling.
Soil, volcanic, sandy stony 4th. rate.
Timber, none.
Undergrowth, bunch grass, sage and cacti.

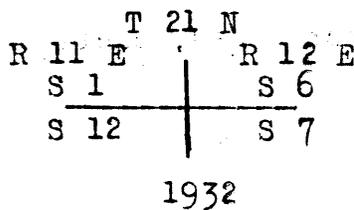
North, on a true line, bet. secs. 7 and 12.
Over rolling land, through scattering undergrowth.
Desc. N. slope.

1.70 Rocky wash, 50 lks. wide, 6 ft. deep, course NE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, with brass cap marked



80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 1, 6, 7, and 12, with brass cap marked



Chains

Land, rolling.
Soil, sandy volcanic 4th. rate.
Timber, none.
Undergrowth, bunch grass, sage and cacti.

North, on a true line, bet. secs. 1 and 6.

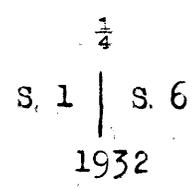
Over rolling land, through scattering undergrowth.

25.45 South rim of Padre Canyon, bears NW and SE. Desc. 80 ft. over vertical wall.

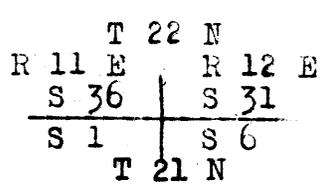
26.50 Bottom of Canyon, 100 lks. wide, course SE. Asc. 100 ft. over vertical wall.

28.00 North rim of Padre Canyon, bears NW and SE. Asc. 29 ft. over gradual SE slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6, with brass cap marked



80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for the cor. of Ts. 21 and 22 N., Rs. 11 and 12 East, with brass cap marked



1932

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

Land, rolling plains.
Soil, sandy, volcanic, stony 4th. rate.
Timber, none.
Undergrowth, bunch grass, cacti and sage brush.

Chains

The western one and three quarter miles of the N. bdy. of T. 21 N., R. 11 E., was surveyed by T.B. Matthews, U.S.S. in 1916, in connection with the survey of part of the west bdy. of the Navajo Indian Reservation and subdivision lines west thereof. The following notes describe a survey of the eastern four and one quarter miles of the N. bdy. of Tp.

From the cor. of Ts. 21 and 22 N., Rs. 11 and 12 E., hereinbefore described.

N. 89° 59' W., on true line, towards flag visible on objective corner on West Bdy. of Reservation.

Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top with brass cap marked

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

1932

65.00 Desc. 50 ft. over broken SW slope into gulch.

67.30 Wash bottom, 50 lks. wide, course SE (San Francisco Wash). Asc. 50 ft. over rocky NE slope.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 1, 2, 35 and 36, with brass cap marked

T 22 N R 11 E
S 35 | S 36
S 2 | S 1

T 21 N

1932

Land, rolling and mountainous.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, bunch grass, sage and cacti.

N. 89° 59' W., on true line, bet. secs. 2 and 35.

Over rolling land, through scattering undergrowth.

1.00 Wash, 10 lks. wide, 6 ft. deep, course NE.

1.20 Old road, bears NE-SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{2}$ sec. cor. of secs. 2 and 35, with brass cap marked

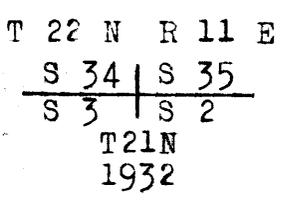
$\frac{1}{4}$ S 35
S 2

1932

Survey of Part (Completion) of the N. Bdy. of T. 21 N.,
R. 11 E.

Chains

An inhabited Indian Hogan bears N. about 10 chs. dist.
 Desc. 23 ft. over NW slope.
 42.70 Wash, 20 lks. wide, course NE. Asc. 23 ft. over NE slope.
 54.70 Road, bears NE and SW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in
 the ground, to bedrock, above cross (X) cut in bedrock,
 raise a mound of stone about post, for the cor. of secs.
 2, 3, 34 and 35, with brass cap marked

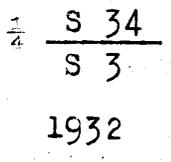


Land, rolling plains.
 Soil, stony sandy, 4th. rate.
 Timber, none.
 Undergrowth, bunch grass, sagebrush and cacti.

West, on true line, bet. secs. 3 and 34.

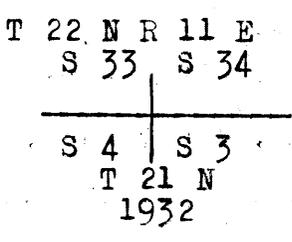
Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in
 the ground to bedrock, deposit a stone marked with a
 (X) at base of post, in a mound of stone to top, for
 the $\frac{1}{2}$ sec. cor. of secs. 3 and 34, with brass cap
 marked



from which,
 a cedar, 6 ins. in diam., bears N. $50\frac{1}{2}^{\circ}$ W., 488 lks.
 dist., marked $\frac{1}{4}$ S 34 BT
 No other bearing tree available.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 16 ins. in
 the ground, to bedrock, deposit a stone marked with a
 cross (X) at base of post, in a mound of stone to top,
 for the cor. of secs. 3, 4, 33, and 34, with brass cap
 marked



Land, rolling.
 Soil, rocky, sandy 4th. rate.
 Timber, a few thinly scattered cedar.
 Undergrowth, sagebrush, cacti and bunch grass.

West, on a true line, bet. secs. 33 and 4.

Over rolling land, through scattering undergrowth.

Survey of Part (completion) of the North Boundary of

8

T. 21 N., R. 11 E.

Chains

40.00

Set an iron post 3 ft. long, 1 in. in diam., above cross (X) cut in bedrock, in a mound of stone to top, for the $\frac{1}{2}$ sec. cor. of secs. 4 and 33, with brass cap marked

$\frac{1}{2}$ $\frac{S\ 33}{S\ 4}$

1932

80.00

Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the cor. of secs. 4, 5, 32, and 33, with brass cap marked

T 22 N R 11 E
S 32 | S 33
S 5 | S 4

T 21 N
1932

Raise a mound of stone 4 ft. base, 2 ft. high w. of cor. 3 ft. distant.

Land, rolling plains.
Soil, stony, sandy 4th. rate.
Timber, none.
Undergrowth, sagebrush, bunch grass and cacti.

West, on true line, bet. secs. 5 and 32.

Over rolling land, through scattering undergrowth.

1.00 Foot of bench, bears NE and SW. Asc. 57 ft. over SE slope.

5.00 Top of bench, bears NE and SW.

24.85 Intersect the Six Mile cor. on the West Bdy. of the Navajo Indian Reservation, which is an iron post 3 ins. in diam., firmly set and projecting 9 ins. above ground, with brass cap marked

T 22 N R 11 E
S 32 | 6
S 5 | NIR

1916

Land, rolling plains.
Soil, sandy, stony 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and bunch grass.

Survey of the Subdivision of T. 21 N., R. 11 E.

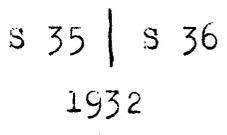
Chains

From the Standard Corner, of secs. 35 and 36, T. 21 N., R. 11 E., which is an iron post 3 ins. in diam., firmly set, projecting 24 ins. above ground and mound of stone, with brass cap properly marked.

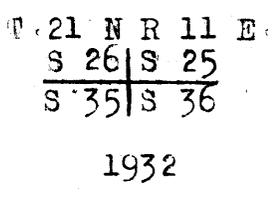
N.0°01'W. on true line, bet. secs. 35 and 36.

Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in the ground, to bedrock, above cross cut in bedrock, in a mound of stone to top, for the 1/4 sec. cor. of secs. 35 and 36, with brass cap marked



80.00 Set an iron post 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 25, 26, 35, and 36, with brass cap marked



Land, rolling.
Soil, sandy, stony 4th. rate.
Timber, none.
Undergrowth, sagebrush, bunch grass and cacti.

East, on a random line, bet. secs. 25 and 36.

40.00 Set temp. 1/4 sec. cor.

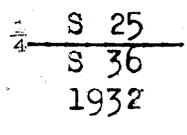
80.02 Intersect the east bdy. of Tp. at the cor. of secs. 25, 30, 31, and 36, hereinbefore described.

Thence,

West, on a true line, bet. secs. 25 and 36.

Over rolling land, through scattering undergrowth.

40.01 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, above six inch cross cut in bedrock, in a mound of stone to top, for the 1/4 sec. cor. of secs. 25 and 36, with brass cap marked



80.02 The cor. of secs. 25, 26, 35, and 36.

Land, rolling.
Soil, sandy, stony 4th. rate.
Timber, none.
Undergrowth, sagebrush, grass and cacti.

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains

N.0° 01'W., on true line, bet. secs. 25 and 26.

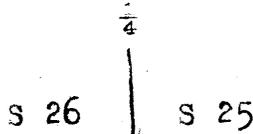
Over rolling land, through scattering timber and undergrowth.

Desc. gradual NW slope.

10.00 Rocky wash, 40 lks. wide, course NE.

17.70 Wash, 25 lks. wide, course NE.

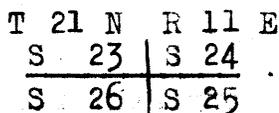
40.00 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26, with brass cap marked



62.50 Wash, 20 lks. wide, course E. 1932

79.70 Old road, bears E. and W.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 23, 24, 25, and 26, with brass cap marked



1932

Land, rolling.

Soil, sandy, stony 4th. rate.

Timber, none.

Undergrowth, sagebrush, grass and cacti.

East, on a random line, bet. secs. 24 and 25.

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

79.98 Intersect the east bdy. of Tp. at 5 lks. S. of the cor. of secs. 19, 24, 25, and 30, hereinbefore described.

Thence,

S. 89° 58'W., on true line, bet. secs. 24 and 25.

Over rolling land, through scattering undergrowth.

33.58 Wire fence, bears N. 64 $\frac{1}{2}$ °W. and S. 64 $\frac{1}{2}$ ° E.

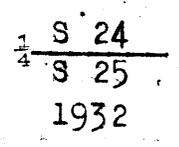
35.88 Western Union Telegraph line, bears N. 64 $\frac{1}{2}$ °W.-S.64 $\frac{1}{2}$ °E.

37.08 Center of Santa Fe R.R. double tracks, bears N.64 $\frac{1}{2}$ °W. and S. 64 $\frac{1}{2}$ °E.

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains

- 38.58 R.R. signal wires bears N. 64½°W. and S. 64½°E.
- 39.15 Postal telegraph lines, bear N.64½°W.-S.64½°E.
- 39.99 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the ¼ sec. cor. of secs. 24 and 25, with brass cap marked

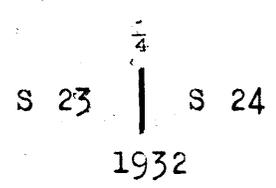


- 40.88 Wire fence, bears N. 64½°W. and S. 64½°E.
- 43.38 Old road, bears N.64½W., and S. 64½°E.
- 65.48 Old road, bears NE and SW.
- 69.00 Rocky wash, 20 lks. wide, course N. Asc. 23 ft. over E. slope.
- 72.20 Old broken earth reservoir bears N. 50 lks. distant.
- 79.98 The cor. of secs. 23, 24, 25, and 26.

Land, rolling.
 Soil, rocky, sandy, 4th. rate.
 Timber, none.
 Undergrowth, sagebrush, cacti and grass.

N. 0° 01'W., on true line, bet. secs. 23 and 24.
 Over rolling land, through scattering undergrowth.

- 5.51 R.R. storm ditch, bears NE and SW., 30 lks. wide, 2 ft. deep.
- 17.91 Wire fence, bears N.85°W.-S.85°E.
- 18.66 Postal telegraph line, bears N.85°W.-S.85°E.
- 19.11 R.R. signal wires bear, N.85°W.-S.85°E.
- 19.61 Center of double tracks, Santa Fe R.R., bears N.85°W.-S. 85° E.
- 20.26 Western Union Telegraph line, bears N.85°W.-S.85°E.
- 21.01 Wire fence, bears, N.85°W.-S.85°E.
- 21.60 Road, bears E. and W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 3 ins. in ground, to bedrock, above cross cut in bedrock, in a mound of stone to top, for the ¼ sec. cor. of secs. 23 and 24, with brass cap marked



- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone about post, for the cor. of secs.

Chains

13, 14, 23, and 24, with brass cap marked.

T 21 N	R 11 E
S 14	S 13
S 23	S 24

1932

Land, rolling.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sage, cacti and grass.

N. 89° 58' E., on a random line, bet. secs. 13 and 24.

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

79.92 Intersect the east bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, hereinbefore described.

Thence,

S. 89° 58' W., on true line, bet. secs. 13 and 24.

Over rolling land, through scattering undergrowth.

39.96 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 13 and 24, with brass cap marked.

S 13
S 24

1932

46.60 Wash, 30 lks. wide, course NE.

49.60 Old road, bears NE and SW.

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

Land, rolling.
Soil, rocky sandy, 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

N. 0° 01' W., on true line, bet. secs. 13 and 14.

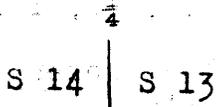
Over rolling land, through scattering undergrowth.

31.70 Wash, 50 lks. wide, 10 ft. deep, course NE. Heads 5 chs. SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bedrock, above cross cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14, with brass cap marked.

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains



1932

65.60 Rim of canyon, bears NW and SE. Desc. 46 ft. over broken NE slope.

68.60 Wash, 50 lks. wide, course NE (at bend from SE.) Asc. 48 ft. over SE slope.

73.50 Rim of canyon, bears NE and SW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 11, 12, 13, and 14, with brass cap marked



1932

Land, rolling and broken.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sage brush, cacti and grass.

N. 89° 58'E., on a random line, bet. secs. 12 and 13.

40.00 Set temp. ¼ sec. cor.

79.92 Intersect the east bdy. of Tp. at 5 lks. S. of the cor. of secs. 7, 12, 13, and 18, hereinbefore described.

Thence,

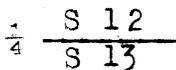
S. 89° 56'W., on a true line, bet. secs. 12 and 13.

Over mountainous land, through scattering undergrowth.

1.00 Desc. gradual NW slope.

5.00 Rocky wash, 30 lks. wide, course NE.

39.96 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the ¼ sec. cor. of secs. 12 and 13, with brass cap marked



1932

70.70 Rim of canyon, bears N. and SW. Desc. 48 ft. over W. slope.

72.30 Bed of canyon, 40 lks. wide, course N. Asc. 48 ft. over E. slope.

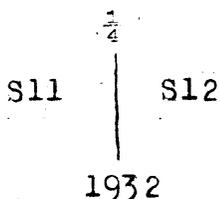
75.00 Rim of canyon, bears NE and SW.

14 Survey of the Subdivision of T. 21 N., R. 11 E.

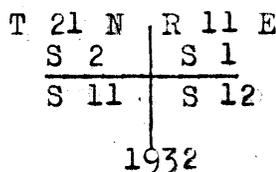
Chains

- 79.92 The cor. of secs. 11, 12, 13, and 14.
Land, rolling plains broken by canyons.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

- N.0° 01'W., on true line, bet. secs. 11 and 12.
Over rolling land, through scattering undergrowth.
- 6.40 S. rim of canyon, bears NE and SW. Desc. 27 ft. over NW slope.
- 8.10 Desc. 80 ft. over vertical cliff, bears NE and SW.
- 10.60 Wash, 1 ch. wide, (Padre Canyon) course NE. Asc. 107 ft. over precipitous slope. (SE).
- 13.80 N. rim of Padre canyon, bears NE and SW.
- 17.00 Desc. 107 ft. over NE slope.
- 22.00 Bottom of Padre Canyon, wash, 1 ch. wide, course NW. Asc. 50 ft. over vertical cliff, bears NW and SE.
- 24.60 SW rim of canyon, bears NW and SE.
- 39.00 Rim of Padre Canyon, bears NE and SW. Desc. broken NW slope to
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, above cross cut in rock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 11 and 12, with brass cap marked



- Desc. 108 ft. over NW slope.
- 50.35 Wash, 60 lks. wide, in bottom of Padre Canyon, course NE. Asc. 106 ft. over SE slope.
- 57.00 Rim of Padre canyon, bears NE and SW. Desc. 113 ft. over NE slope.
- 67.10 Wash, 60 lks. wide, in bottom of Padre canyon, course NW. Asc. 113 ft. over SW slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., above cross cut in bedrock, in a mound of stone to top, for the cor. of secs. 1, 2, 11, and 12, with brass cap marked



Land, rolling plains.
Soil, rocky, sandy 4th rate.
Timber, none.
Undergrowth, sage brush, cacti, and grass.

Survey of the subdivision of T. 21 N., R. 11 E.

Chains N. 89° 56' E., on a random line, bet. secs. 1 and 12.

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

79.92 Intersect the east bdy. of the Tp. at the cor. of secs. 1, 6, 7, and 12, hereinbefore described.

Thence,

S. 89° 56' W., on true line, bet. secs. 1 and 12.

Over rolling land, through scattering undergrowth.

39.96 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 1 and 12, with brass cap marked

$\frac{1}{4}$ $\frac{S 1}{S 12}$
1932

79.92 The Cor. of Secs. 1, 2, 11, and 12.

Land, rolling plains.
Soil, rocky 4th rate.
Timber, none.
Undergrowth, sage brush, cacti and grass.

N. 0° 01' W., on a random line, bet. secs. 1 and 2.

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

80.16 Intersect the N. bdy. of the Tp. at the cor. of secs. 1, 2, 35, and 36, hereinbefore described.

Thence,

S. 0° 01' E., on true line, bet. secs. 1 and 2.

Over rolling land, through scattering timber and undergrowth.

26.00 Indian hogan, bears W. about 3 chs. distant.

30.10 Indian hogan, bears W. about 3 chs. distant.

30.70 Head of gulch, course SE.

35.40 Old road, bears E - W.

38.40 Head of wash, course NE.

40.16 Set an iron post 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2, with brass cap marked

$\frac{1}{4}$
S2 | S1
1932

45.90 Head of wash, course NE.

62.80 Rim of Padre Canyon, bears NE and SW

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains

Desc. 199 ft. over SE slope.

66.80 Wash, in bottom of Padre Canyon, 1 ch. wide, course NE.
Asc. 105 ft. over NW slope.

73.65 Rim of Padre Canyon, bears NE and SW.

80.16 The cor. of secs. 1, 2, 11, and 12.

Land, rolling, and broken.

Soil, rocky, sandy 4th rate.

Timber, none.

Undergrowth, sagebrush, cacti and grass.

The standard cor. of sections 34, and 35, on the S. bdy. of Tp., is an iron post 3 ins. in diam., firmly set, properly marked and witnessed by a mound of stone N. of cor.

Thence,

N. 0° 01' W., on true line, bet. secs. 34 and 35.

Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, above cross (X) cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 34 and 35, with brass cap marked
$$\begin{array}{c} \frac{1}{4} \\ \text{S } 34 \mid \text{S } 35 \\ 1932 \end{array}$$

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, above cross (X) cut in bedrock, in a mound of stone to top, for the cor. of secs. 26, 27, 34, and 35, with brass cap marked

$$\begin{array}{c} \text{T } 21 \text{ N } R \text{ 11 } E \\ \text{S } 27 \mid \text{S } 26 \\ \hline \text{S } 34 \mid \text{S } 35 \\ 1932 \end{array}$$

from which

A cedar, 8 ins. in diam., bears S. 45 $\frac{1}{2}$ ° W., 13.98 chs. dist., marked T 21 N R 11 E S 34 BT.

Land, rolling plains.

Soil, rocky 4th rate.

Timber, one cedar.

Undergrowth, sagebrush, cacti and grass.

East, on a random line, bet. secs. 26 and 35.

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

80.08 Intersect N. and S. line at 5 lks. N. of the cor. of secs. 25, 26, 35, and 36.

Thence

N. 89° 58' W., on true line, bet. secs. 26 and 35.

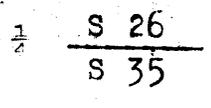
Survey of the Subdivision of T. 21 N., R. 11 E. 17

Chains

4.30 Rocky wash, 50 lks. wide, course NE.

7.00 Indian hogan, bears N. about 50 lks. dist.

40.04 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 26 and 35, with brass cap marked



1932

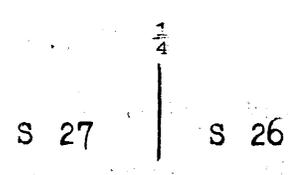
80.08 The cor. of secs. 26, 27, 34, and 35.

Land, rolling.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

N.0° 01' W., on true line, bet. secs. 26 and 27.

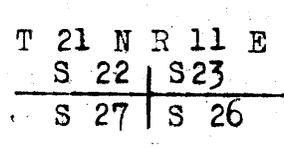
Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in the ground, to bedrock, above cross (X) cut in bedrock, in a mound of stone to top, for the 1/4 sec. cor. of secs. 26 and 27, with brass cap marked



1932

80.00 Set an iron post 3 ft. long, 2 ins. in diam., on bedrock, above cross (X) cut in bedrock, in a mound of stone to top, for the cor. of secs. 22, 23, 26, and 27, with brass cap marked



1932

Land, rolling.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

S.89° 58' E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect N. and S. line, at the cor. of secs. 23, 24, 25 and 26.

Chains

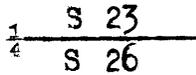
Thence,

N. 89° 58' W., on true line, bet. secs. 23 and 26.

Over rolling land, through scattering undergrowth.

.80 Old road, bears NW and SE.

40.03 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, over cross (X) cut in bedrock, in a mound of stone to top, for the 1/4 sec. cor. of secs. 23 and 26, with brass cap marked



1932

80.06 The cor. of secs. 22, 23, 26, and 27.

Land, rolling plains.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sagebrush, cacti, and grass.

N. 0° 01' W., on true line, bet. secs. 22 and 23.

Over rolling land, through scattering timber and undergrowth.

15.95 Old road, bears NW and SE.

22.95 Wire fence, bears N. 87°W.-S.87°E.

23.70 Postal Telegraph line, bears N.87°W. - S.87°E.

23.90 R.R. signal lines, bear N. 87°W.- S.87°E.

24.60 Center of double tracks of Santa Fe R.R., bears N.87°W., and S.87°E.

25.10 Western Union Telegraph lines, bear N.87°W. and S.87°E.

26.00 Wire fence, bears N.87°W.- S.87°E.

39.60 Old road, bears NW and SE.

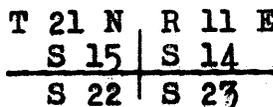
40.00 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 22 and 23, with brass cap marked



1932

43.00 Old road, bears NW and SE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 14, 15, 22, and 23, with brass cap marked



1932

Survey of the Subdivision of T. 21 N., R. 11 E. 19

Chains

Land, rolling plains.
Soil, rocky, sandy 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

S. 89° 58' E., on a random line, bet. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect the cor. of secs. 13, 14, 23, and 24.

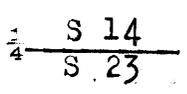
Thence,

N. 89° 58' W., on a true line, bet. secs. 14 and 23.

Over rolling land, through scattering timber and undergrowth.

15.00 Shallow wash, course NE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the 1/4 sec. cor. of secs. 14 and 23, with brass cap marked



1932

80.00 Intersect the cor. of secs. 14, 15, 22, and 23.

Land, rolling.
Soil, rocky, sandy 4th. rate.
Timber, none.
Undergrowth, grass, sagebrush, and cacti.

N. 0° 01' W., on true line, bet. secs. 14 and 15.

Over rolling and broken land, through scattering undergrowth.

4.50 Rim of Padre Canyon, bears NE and SW. Desc. 34 ft. over NW slope.

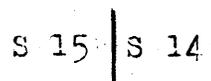
6.50 Desc. 50 ft. over vertical bluff.

7.00 Wash, 1 ch. wide, course NE. Asc. 50 ft. over vertical wall.

9.00 Rim of Padre Canyon, bears NE and SW.

35.00 Head of wash, course E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 14 and 15, with brass cap marked



1932

Chains

From which,
 the Hibbard R.R. cattle loading pen, bears S. 27° W.
 a house, bears S. 26 $\frac{1}{4}$ ° W., (Babbitts Co. property.)
 a barn, " S. 24 $\frac{1}{2}$ ° W., " " " " " "

42.60 South rim of Youngs Canyon, bears NW-SE. Desc. 29 ft. over NW slope.

47.200 Desc. 35 ft. over vertical wall, bears NW-SE.

48.40 Wash, 1 ch. wide, course SE. Asc. 36 ft. over vertical wall, bears NW-SE.

49.50 N. rim of canyon, bears NW-SE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock; deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 10, 11, 14, and 15, with brass cap marked

T 21 N	R 11 E
S 10	S 11
S 15	S 14

1932

Land, rolling.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sagebrush, cacti, and grass.

S. 89° 58' E., on a random line, bet. secs. 11 and 14.

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

79.94 Intersect N. and S. line, at 14 lks. S. of the cor. of secs. 11, 12, 13, and 14.

Thence,

S. 89° 56' W., on true line, bet. secs. 11 and 14.

Over rolling land, through scattering undergrowth.

11.00 S. Rim of Padre Canyon, bears NE and SW. Desc. 100 ft. over nearly vertical slope.

13.00 Rocky wash, 100 lks. wide, course NE. Asc. 100 ft. over nearly vertical SE slope.

16.90 Rim of canyon, bears NE-SW. Across level land.

19.70 Rim of canyon, bears NW-SE. Desc. 100 ft. over nearly vertical SW slope.

24.00 Wash; 2 chs. wide, course SE; across same.

25.00 Wash, 2 chs. wide, course E., at bend from SW. Asc. 91 ft. over nearly vertical SE slope.

29.00 Rim, bears NE-SW. Across level land.

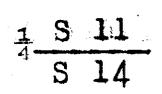
29.80 Rim, bears NW-SE. Desc. 90 ft. over SW slope.

31.50 Wash, 1 ch. wide, course SE. Asc. 90 ft. over SE slope.

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains

34.60 Rim, bears NW-SE. Across level land.
 38.00 Rim, bears NE-SW. Desc. 20 ft. over NW slope to
 39.97 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in
 the ground to bedrock, deposit a stone marked with a
 cross (X) at base of post, in a mound of stone to top,
 for the 1/4 sec. cor. of secs. 11 and 14, with brass cap
 marked



1932

43.00 Rim, bears NE-SW. Desc. 60 ft. over NW slope.

42.00 Wash, 1 ch. wide, course b NE. Asc. 115 ft. over SE slope.

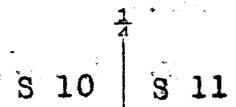
47.50 Rim of Padre Canyon, bears NE-SW.

Continue over rolling land to

79.94 The cor. of secs. 10, 11, 14, and 15.

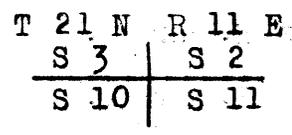
Land, rolling and mountainous.
 Soil, rocky 4th. rate.
 Timber, none.
 Undergrowth, sagebrush, cacti, and grass.

N.0° 01'W., on true line, bet. secs. 10 and 11.
 Over rolling land, through scattering undergrowth.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in
 the ground to bedrock, deposit a stone marked with a
 cross (X) at base of post, in a mound of stone to top,
 for the 1/4 sec. cor. of secs. 10 and 11, with brass cap
 marked



1932

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
 the ground to bedrock, above cross (X) cut in bedrock,
 in a mound of stone to top, for the cor. of secs. 2, 3,
 10, and 11, with brass cap marked



1932

Land, rolling.
 Soil, rocky 4th. rate.
 Timber, none.
 Undergrowth, sagebrush, cacti and grass.

N.89° 56'E., on a random line, bet. secs. 2 and 11.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line, at 9 lks. N. of the cor. of
secs. 1, 2, 11, and 12.

Chains

Thence,

West, on true line, bet. secs. 2 and 11.

Over rolling land, through scattering undergrowth.

2.00 Desc. 144 ft. over broken NW slope into Padre Canyon.

4.00 Wash, in bottom of Padre Canyon, course NE. Asc. 131 ft. over E. slope.

10.50 Rim, bears NE and SW. Across rolling land.

15.50 Head of draw, course NE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{2}$ sec. cor. of secs. 2 and 11, with brass cap marked
$$\frac{1}{4} \begin{array}{c} S 2 \\ S 11 \end{array}$$

1932

80.00 The cor. of secs. 2, 3, 10, and 11.

Land, rolling and broken mountainous.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sagebrush, cacti, and grass.

N.0° 01'W., on a random line, bet. secs. 2 and 3.

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

80.16 Intersect the N. bdy. of Tp., at the cor. of secs. 2, 3, 34, and 35.

Thence,

S.0° 01'E., on true line, bet. secs. 2 and 3.

Over rolling land, through scattering undergrowth.

13.00 Old road, bears E. and W.

21.60 Old road, bears E. and W.

21.90 Wash, 1 ch. wide, 20 ft. deep, course NE.

40.16 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, above cross (X) cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, with brass cap marked
$$\frac{1}{4} \begin{array}{c} S 3 \\ S 2 \end{array}$$

1932

80.16 The cor. of secs. 2, 3, 10, and 11.

Land, rolling.

Soil, rocky, sandy 4th. rate.

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains

Timber, none.
Undergrowth, sagebrush, cacti, and grass.

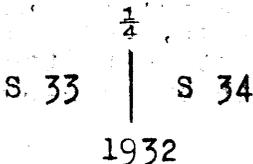
The standard corner of sections, 33, and 34, is an iron post 3 ins. in diam., firmly set, projecting 24 ins. above ground, with brass cap properly marked and witnessed by a mound of stone N.

Thence,

N.0° 02' W., on true line, bet. secs. 33 and 34.

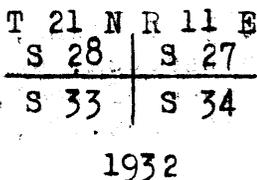
Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bedrock, above cross (X) cut in bedrock, in a mound of stone to top, for the 1/4 sec. cor. of secs. 33 and 34, with brass cap marked



51.50 Wash, 20 lks. wide, course NE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bedrock, above a cross (X) cut in bedrock, in a mound of stone to top, for the cor. of secs. 27, 28, 33, and 34, with brass cap marked.



Land, rolling.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

East, on a random line, bet. secs. 27 and 34.

40.00 Set temp. 1/4 sec. cor.

80.10 Intersect the cor. of secs. 26, 27, 34, and 35.

Thence,

West, on a true line, bet. secs. 27 and 34.

Over rolling land, through scattering timber & undergrowth.

22.10 Road to Hibbard siding, bears N. and S.

28.20 Old Indian ruins, bears N. 20 lks. distant.

40.05 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 27 and 34, with brass

Chains

$$\frac{1}{4} \begin{array}{c} \text{S } 27 \\ \hline \text{S } 34 \end{array}$$

1932

61.10 Wash, 20 lks. wide, 2 ft. deep, course NE.

80.10 The cor. of secs. 27, 28, 33, and 34.

Land, rolling.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sagebrush, cacti and grass.

N.0° 02' W., on true line, bet. secs. 27, and 28.

Over rolling land, through scattering timber & undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 3 ins. in the ground to bedrock, above a cross (X) cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28, with brass cap marked
$$\frac{1}{4} \begin{array}{c} \text{S } 28 \quad | \quad \text{S } 27 \end{array}$$

1932

69.50 Road, bears NE-SW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 21, 22, 27, and 28, with brass cap marked

$$\begin{array}{c} \text{T } 21 \text{ N } \text{R } 11 \text{ E.} \\ \text{S } 21 \quad | \quad \text{S } 22 \\ \hline \text{S } 28 \quad | \quad \text{S } 27 \end{array}$$

1932

Land, rolling.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sagebrush, cacti, and grass.

East, on a random line, bet. secs. 22 and 27.

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

80.12 Intersect N. and S. line, at 5 lks. N. of the cor. of secs. 22, 23, 26, and 27.

Thence,

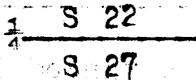
N.89° 58' W., on true line, bet. secs. 22 and 27.

Over rolling land, through scattering undergrowth.

Survey of the Subdivision of T. 21 N., R. 11 E. 25

Chains
40.06

Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a bottle at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 22 and 27, with brass cap marked



1932

47.00 Road, bears N. and S.

48.20 Road, bears NW- and SE.

63.60 Old road, bears NW and SE.

80.12 The cor. of secs. 21, 22, 27, and 28.

Land, rolling.
Soil, rocky, sandy 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

N.0° 02' W., on a true line, bet. secs. 21 and 22.

Over rolling land, through scattering undergrowth.

22.30 Rim of Padre Canyon, bears NE-SW, Desc. 75 ft. over NW slope.

25.50 Wash, in bottom of canyon, 1 ch. wide, course NE. Asc. 46 ft. over precipitous NE slope.

27.00 Thence along canyon wall.

27.75 Postal telegraph lines, bear N.87°W.-S.87°E.

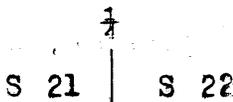
27.95 Ry. signal lines, bear, " "

28.60 Center of double tracks of the Santa Fe R.R., bears N.87°W.-S.87°E., at bridge across canyon.

29.10 Western Union telegraph lines bears N.87°W.-S.87°E.

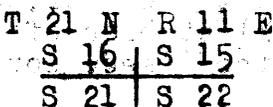
37.00 Rim of Canyon, bears NE-SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 21 and 22, with brass cap marked



1932

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 15, 16, 21, and 22, with brass cap marked



1932

Chains

Land, rolling.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

S. 89° 58' E., on a random line, bet. secs. 15 and 22.

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

80.10 Intersect the cor. of secs. 14, 15, 22, and 23.

Thence,

N. 89° 58' W., on true line, bet. secs. 15 and 22.

Over rolling land, through scattering undergrowth.

9.30 Rim of Padre Canyon, bears NE and SW. Desc. 80 ft. over NW slope.

12.00 Wash, in bottom of canyon, 1 ch. wide, course NE. Asc. 50 ft. over vertical wall, bears NE-SW.

14.40 Rim of canyon, bears NE-SW. Continue over rolling land.

16.00 Ruins of a stone house, bears S. about 3 chs. distant.

40.05 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 15 and 22, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 15}{S\ 22}$

1932

from which,

a house, bears S. 15° E., (Babbitts Td. Co. property.)

a barn, bears S. 19° E.

a cement tank, bears S. 39° E.

a cement tank, bears N. 74° W.

45.90 A pipe line, bears NW-SE.

48.00 A cement reservoir, bears N. about 3 chs. dist.

50.00 A small shed, bears N., about 3 chs. distant, at W. side of fenced lot about 3 chs. Square.

80.10 The cor. of secs. 15, 16, 21, and 22.

Land, rolling and broken.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

N. 0° 02' W., on true line, bet. secs. 15 and 16.

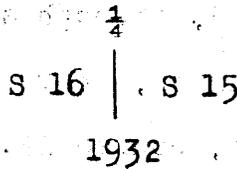
Over rolling land, through scattering undergrowth.

6.05 Road, bears E. and W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, with

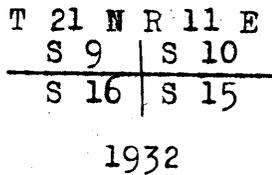
Chains

brass cap marked



80.00

Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 9, 10, 15, and 16, with brass cap marked



Land, rolling.
Soil, rocky, sandy 4th. rate.
Timber, none.
Undergrowth, sage brush, cacti and grass.

S. 89° 58' E., on a random line, bet. secs. 10 and 15.

40.00

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

80.02

Intersect N. and S. line, 9 lks. N. of the cor. of secs. 10, 11, 14, and 15.

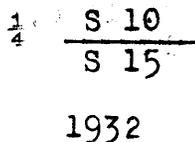
Thence,

N. 89° 54' W., on true line, bet. secs. 10 and 15.

Over rolling land, through scattering undergrowth.

40.01

Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 10 and 15, with brass cap marked



59.10

Rim of Youngs canyon, bears NW-SE. Desc. 22 ft. over NE slope.

64:30

Wash, in canyon bottom, 1 ch. wide, course SE. Asc. 22 ft. over SE slope.

65.90

Rim of Youngs canyon, bears NW-SE. Asc. gradual NE slope.

80.02

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

Land, rolling, and broken.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

Chains

N.0° 02'W., on true line, bet. secs. 9 and 10

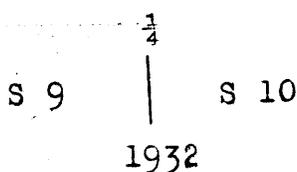
Over rolling land, through scattering undergrowth.

6.00 Rim of Youngs canyon, bears NW-SE. Desc. 30 ft. over N. slope.

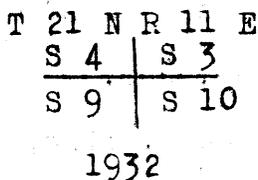
7.90 Wash, 1 ch. wide, course SE. Asc. 30 ft. over S. slope.

8.20 N. rim of canyon, bears NW and SE. Continue over rolling land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10, with brass cap marked



80.00 Set an iron post 3 ft. long, 2 ins. in diam., 2 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 3, 4, 9, and 10, with brass cap marked



Land, rolling and broken.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sagebrush, cacti and grass.

S.89° 54'E., on a random line, bet. secs. 3 and 10.

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

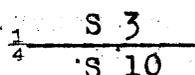
79.92 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 2, 3, 10, and 11.

Thence,

West, on a true line, bet. secs. 3 and 10.

Over rolling land, through scattering undergrowth.

39.96 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10, with brass cap marked.



1932

Survey of the Subdivision of T. 21 N., R. 11 E. 29

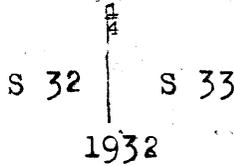
Chains	
79.92	<p>The cor. of secs. 3, 4, 9, and 10.</p> <p>Land, rolling. Soil, rocky 4th. rate. Timber, none. Undergrowth, sagebrush, cacti and grass.</p>

40.00	<p>N.0° 02'W., on a random line, bet. secs. 3 and 4.</p>
80.06	<p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. bdy. of Tp. at 4 lks. E. of the cor. of secs. 3, 4, 33, and 34, hereinbefore described.</p>
	<p>Thence,</p>
	<p>S.0° 04'E., on a true line, bet. secs. 3 and 4.</p>
	<p>Over rolling land, through scattering timber and undergrowth.</p>
30.25	<p>Road, bears NE-SW.</p>
35.00	<p>Wash, 50 lks. wide, 15, ft. deep, course E.</p>
40.06	<p>Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, above cross (X) cut in bedrock, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4, with brass cap marked</p>
<p style="text-align: center;">$\frac{1}{4}$</p>	
<p style="text-align: center;">S 4 S 3</p>	
<p style="text-align: center;">1932</p>	
<p style="text-align: right;">from which,</p> <p>a cedar, 6 ins. in diam., bears N. 55°E., 1.29 chs. dist., marked $\frac{1}{4}$ S 3 BT</p>	
<p>a cedar, 10 ins. in diam., bears S. 21°W., 1.80 chs. dist., marked $\frac{1}{4}$ S 4 BT</p>	
<p>Leave timber, bears E. and W.</p>	
80.06	<p>The cor. of secs. 3, 4, 9, and 10.</p>
	<p>Land, rolling. Soil, rocky 4th. rate. Timber, cedar. Undergrowth, sagebrush, cacti and grass.</p>

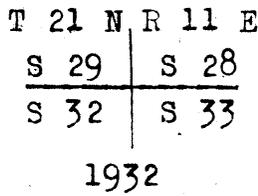
<p>The standard cor. of secs. 32 and 33, which is an iron post 3 ins. in diam., firmly set, projecting 10 ins. above ground, with brass cap properly marked and witnessed by a mound of stone N. of cor.</p>	
<p>Thence,</p>	
<p>N.0° 02'W., on a true line, bet. secs. 32 and 33.</p>	
<p>Over rolling land, through scattering undergrowth.</p>	
7.70	<p>Rocky shallow draw, 20 lks. wide, course NE.</p>

19.50 Old Indian ruin.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, above cross (X) cut in bedrock in a mound of stone to top, for the $\frac{1}{4}$ sec. cor of secs. 32, and 33, with brass cap marked



80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the cor. of secs. 28, 29, 32, and 33, with brass cap marked



Land, rolling.
Soil, rocky sandy, 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

East, on a random line, bet. secs. 28 and 33.

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

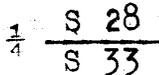
79.94 Intersect N. and S. line, at 3 lks. N. of the cor. of secs. 27, 28, 33, and 34.

Thence,

N. 89° 59' W., on true line, bet. secs, 28 and 33.

Over rolling land, through scattered undergrowth.

39.97 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 28 and 33, with brass cap marked



1932

79.94 Intersect the cor. of secs. 28, 29, 32, and 33.

Land, rolling.
Soil, rocky 4th. rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

Survey of the Subdivision of T. 21 N., R. 11 E.

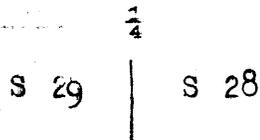
Chains

N. 0° 02' W., on true line, bet. secs. 28 and 29.

Over rolling land, through scattering undergrowth.

24.90 Road, bears NE and SW. Enter scattering cedars, bears E-W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 3 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, with brass cap marked



1932 from which, a cedar, 10 ins. in diam., bears N. 10° E., 273 lks. dist., marked 1/4 S 28 BT

Desc. 20 ft. over NE slope.

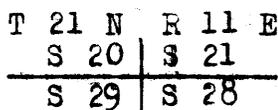
44.80 S. rim of canyon; bears NE and SW. Desc. 100 ft. over NW slope.

47.00 Wash, in bottom of canyon, 50 lks. wide, course NE. Asc. 120 ft. over SE slope.

51.60 N. rim of canyon, bears NE and SW.

72.10 Wash, 10 lks. wide, 12 ft. deep, course SE. Heads 3 chs. NW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, above cross cut in bedrock, in a mound of stone to top, for the cor. of secs. 20, 21, 28, and 29, with brass cap marked



1932

Land, rolling.
Soil, rocky 4th. rate.
Timber, cedars
Undergrowth, sagebrush, cacti, and grass.

S. 89° 59' E., on a random line, bet. secs. 21 and 28.

40.00 Set temp. 1/4 sec. cor.

80.14 Fall 2 lks. S. of the cor. of secs. 21, 22, 27, and 28.

Thence,

West, on a true line, bet. secs. 21 and 28.

Over rolling land, through scattering undergrowth.

Asc. gradual SE slope.

Chains

35.00 Rim of canyon; bears NE-SW. Desc. 84 ft. over NW slope.

37.50 Wash, in bottom of Padre Canyon, 1 ch. wide, course NE.
Asc. 84 ft. over SE slope.40.07 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in
the ground to bedrock, deposit a stone marked with a
cross (X) at base of post, in a mound of stone to
top, for the $\frac{1}{4}$ sec. cor. of secs. 21 and 28, with
brass cap marked
$$\frac{1}{4} \begin{array}{c} \text{S 21} \\ \hline \text{S 28} \end{array}$$

1932

80.14 The cor. of secs. 20, 21, 28, and 29.

Land, rolling and mountainous.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sage brush, cacti, and grass.

N.0° 02'W., on true line, bet. secs. 20 and 21.

Over rolling land, through scattering timber & undergrowth.

31.20 Wire fence, bears N. 87°W.-S.87°E.

31.90 Postal telegraph lines, bears N.87°W.-S.87°E.

32.10 R.R. signal line, bears N.87°W.-S.87°E.

32.80 Center of double tracks of Santa Fe R.R., bears N.87°W.-
and S.87°E.

33.40 Western Union Telegraph lines, bear N.87°W.-S.87°E.

34.30 Wire fence, bears N.87°W.-S.87°E.

34.80 Old road, bears N.87°W.-S.87°E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in
the ground, for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21,
with brass cap marked
$$\frac{1}{4} \begin{array}{c} | \\ \text{S 20} \quad | \quad \text{S 21} \end{array}$$

1932

73.20 Road, bears NE-SW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in
the ground to bedrock, deposit a stone marked with a
cross (X) at base of post, in a mound of stone to top,
for the cor. of secs. 16, 17, 20, and 21, with brass
cap marked
$$\begin{array}{c} \text{T 21 N R 11 E} \\ \text{S 17} | \text{S 16} \\ \hline \text{S 20} | \text{S 21} \end{array}$$

1932

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains

Land, rolling.
Soil, rocky 4th rate.
Timber, none.
Undergrowth, sage brush, cacti and grass.

East, on a random line bet. secs. 16 and 21.

40.00 Set temp. 1/4 sec. cor.

80.14 Intersect N. and S. line, at 7 lks. S. of the cor. of
secs. 15, 16, 21, and 22.

Thence,

S. 89° 57' W., on true line bet. secs. 16 and 21.

Over rolling land, through scattering undergrowth.

32.30 Road, bears NE and W.

35.00 Road, turns to SW.

40.07 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in
the ground to bedrock, deposit a stone marked with a
cross (X) at base of post, in a mound of stone to top,
for the 1/4 sec. cor. of secs. 16 and 21, with brass cap
marked

1/4 S 16
S 21
1932

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

Land, rolling.
Soil, rocky 4th rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

N. 0° 02' W. on true line, bet. secs. 16 and 17.

Over rolling land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in
the ground, above cross (X) cut in bedrock, and in a
mound of stone to top, for 1/4 sec. cor., with brass
cap marked

1/4
S 17 | S 16
1932

59.10 Youngs Canyon, 1 ch. wide, 18 ft. deep, course E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins.
in the ground to bedrock, deposit a stone marked with
a cross (X) at base of post, and in a mound of stone
to top, for cor. of secs. 8, 9, 16, and 17, with brass
cap marked

T 21 N. R 11 E
S 8 | S 9

S 17 | S 16
1932

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains

Land, rolling.
Soil, Rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

N. 89° 57' E. on a random line, bet. secs. 9 and 16.

40.00 Set temp. 1/4 sec. cor.

80.12 Intersect N. and S. line 2 lks. N. of cor. of secs. 9, 10, 15, and 16.

Thence,

S. 89° 58' W., on true line bet. secs. 9 and 16.

Over rolling land, through scattering undergrowth.

17.90 Youngs Canyon 4 chs. wide, 25 ft. deep, course N.E.

40.06 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

1/4 S 9
S 16
1932

80.12 The cor. of secs. 8, 9, 16, and 17.

Land, rolling.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush, cacti and grass.

N. 0° 02' W., on true line, bet. secs. 8 and 9.

Over rolling land, through scattering undergrowth.

Asc. 30 ft. over SE slope.

8.00 Spur, bears E. Desc. gradual NE slope.

16.00 Old Indian hogan, bears East 60 lks. distant.

28.00 Road, bears NW-SE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in the ground, for the 1/4 sec. cor. of secs. 8 and 9, with brass cap marked

1/4 S 8 | S 9
1932

Raise a mound of stone 4 x 2 ft. W. of cor. 3 ft. distant.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 4, 5, 8, and 9, with brass cap marked

T 21 N R 11 E
S 5 | S 4
S 8 | S 9
1932

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains Land, rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, sagebrush, cacti, and grass.

N. 89° 58' E., on a random line, bet. secs. 4 and 9.

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

80.12 Intersect N. and S. line, at 5 lks. N. of the cor. of
 secs. 3, 4, 9, and 10.

Thence,

West on true line, bet. secs. 4 and 9.

40.06 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in
 the ground to bedrock, deposit a stone marked with a
 cross (X) at base of post, in a mound of stone to top,
 for the $\frac{1}{4}$ sec. cor. of secs. 4 and 9, with brass cap
 marked

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

1932

80.12 The cor. of secs. 4, 5, 8, and 9.

Land, rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, sagebrush, cacti, and grass.

N. 0° 02' W., on a random line, bet. secs. 4 and 5.

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

80.15 Intersect the N. bdy. of Tp., at 14 lks. W. of the cor.
 of secs. 4, 5, 32, and 33.

Thence,

S. 0° 04' W., on true line, bet. secs. 4 and 5.

Over rolling land, through scattering undergrowth.

10.55 Road, bears NE and SW.

40.15 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in
 the ground to bedrock, deposit a stone marked with a
 cross (X) at base of post, in a mound of stone to top,
 for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5, with brass cap
 marked

$\frac{1}{4}$

S 5 | S 4

1932

57.55 Road, bears NE-SW.

73.65 Shallow wash, 50 lks. wide, course NE.

80.15 The cor. of secs. 4, 5, 8, and 9.

Survey of the Subdivision of T. 21 N., R. 11 E.

Chains.

Land, rolling.
Soil, Rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

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

N. 89° 59' W., on true line, towards flag visible on
objective cor.; bet. secs. 29 and 32.

Over rolling land, through scattering undergrowth.

25.00 Intersect the west bdy. of Navajo Indian Reservation at
the 1 Mile Cor. for same, which is an iron post 3 ins.
in diam., firmly set, projecting 12 ins. above ground,
with brass cap properly marked and witnessed by pits
NE, SE, SW, and NW of cor.

Land, rolling.
Soil, sandy, loose, 4th rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

From the cor. of secs. 20, 21, 28, and 29.

N. 89° 52' W., on true line, bet. secs. 20 and 29, towards
flag visible on objective cor.

Over rolling land, through scattering.

24.93 Intersect the two mile cor. on the W. bdy. of Navajo
Indian Reservation, which is an iron post 3 ins. in
diam., firmly set, projecting 12 ins. above ground and
with brass cap properly marked and witnessed by pits
NE, SE, SW, and NW. of cor.

Land, rolling.
Soil, sandy, loose, 4th rate.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

From the cor. of secs. 16, 17, 20, and 21.

West, on true line bet. secs. 17 and 20, towards flag on ob-
jective cor.

Over rolling land, through scattering undergrowth.

24.85 Intersect the three mile cor. on W. bdy. of Navajo Indian
Reservation, which is an iron post 3 ins. in diam.,
firmly set, projecting 12 ins. above ground, with brass
cap properly marked and witnessed by pits NE, SE, SW,
and NW. of cor.

Land, rolling.
Soil, sandy.
Timber, none.
Undergrowth, sagebrush, cacti, and grass.

Survey of Subdivision of T. 21 N., R. 11 E.

Chains
 From the cor. of secs. 8, 9, 16, and 17.
 N. 89° 50' W., on true line, bet. secs. 8 and 17, to-
 wards flag visible on objective cor.
 Over rolling land, through scattering undergrowth.

24.87 Intersect the four mile cor. on the W. bdy. of the
 Navajo Indian Reservation, which is an iron post 3 ins.
 in diam., firmly set, projecting 12 ins. above ground
 and with brass cap properly marked and witnessed by
 pits NE, SE, SW, and NW. of cor.

Land, rolling.
 Soil, sandy, loose, 4th rate.
 Timber, none.
 Undergrowth, sagebrush, cacti, and grass.

From the cor. of secs. 4, 5, 8, and 9.
 N. 89° 53' W., on a true line, bet. secs. 5 and 8, to-
 wards flag visible on objective cor.
 Over rolling land, through scattering undergrowth.

24.84 Intersect the five Mile cor. on W. bdy. of Navajo Indian
 Reservation, which is an iron post 3 ins. in diam.,
 firmly set, projecting 12 ins. above ground, with brass
 cap properly marked and witnessed by pits NE, SE, SW,
 and NW. of cor.

Land, rolling.
 Soil, sandy, loose, 4th rate.
 Timber, none.
 Undergrowth, sagebrush, cacti, and grass.

In the course of completion of the survey of T. 21
 N., R. 11 E., retrace the W. bdy. of the Navajo Indian
 Reservation, and find the courses and distances in sub-
 stantial agreement with the record, rehabilitating the
 1/4 sec. cor. for section 8.

FINAL TEST OF YOUNG & SONS TRANSIT NO. 8540.

For continued satisfactory adjustment of instrument
 see Preliminary Test for T. 22 N., R. 11 E.

GENERAL DESCRIPTION.

Land, rolling plains, of volcanic formation; elevation
 of land above sea level is approximately 5,500 ft.
 broken by several canyons draining NE.

Soil, loose, sandy, volcanic dust, 4th rate, generally;
 outcroppings of malpais scattered throughout the Tp.

Timber, a very scant growth of cedar of small size found
 in secs. 3 and 4; elsewhere, none.

Undergrowth, a scattering growth of sagebrush, rabbit
 brush, cacti, and bunch grass was found over most of
 the township.

Survey of the Subdivision of T. 21 N., R. 11 E.

Settlement, only a few Navajo Indians, living in hogans, are on the land. In secs. 15 and 22 were found improvements owned by the Babbitt Trading Company of Flagstaff, Arizona; these improvements consist of a house, barn and corral, a pumping plant, reservoir, (in bottom of Padre Canyon), in sec. 22, and a cement reservoir and a shed in sec. 15; a pipe line reaches this latter reservoir from the dam in canyon; a small amount of water is in reservoir in Padre Canyon bottom. This latter reservoir catches flood water only. Besides a small waterhole in sec. 1, used by the Indians, no other water was found in township.

Roads; roads found were in fair condition for automotive travel.

Mineral; none noted.

General; the lands surveyed are suitable for grazing only, and being used as such by the Navajo Indians. The Atchison, Topeka and Santa Fe R.R. crosses the southern part of the township, with a stock-loading pen located at Hibbard in sec. 22.

BOOK 3941

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Benjamin J. Kinsey, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Arizona bearing date of the 14th day of May, 1932, 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 East boundary, North boundary, and Subdivisional Lines of

Township 21 North, Range 11 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 District Cadastral Engineer for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Phoenix, Arizona
Date: July 27, 1932.

Benjamin J. Kinsey
U. S. Surveyor.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,
Denver, Colo., NOV - 4, 1932.

The foregoing field notes of the survey of East boundary, North boundary, and Subdivisional Lines of

Township 21 North, Range 11 East of the Gila and Salt River Base and Meridian, in the State of Arizona executed by Benjamin J. Kinsey, U.S. Surveyor under his special instructions dated May 14, 1932, for Group 177, Arizona, 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. Supervisor of Surveys.

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. Supervisor of Surveys.