

3781

Book "E"

4-679

000  
1

BOOK 3781

# FIELD NOTES

OF THE SURVEY OF THE

THE EAST BOUNDARY,

THE WEST BOUNDARY and

SUBDIVISION LINES of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 2 WEST

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 April 15, 1926,  
District Cadastral Engineer  
issued by the United States Surveyor General to govern surveys included in Group  
No. 137, Arizona, which were approved by the Commissioner of the General Land  
Office, May 10th, 1926, and Assignment Instructions dated April 16, 1926.

Survey commenced October 6, 1926.

Survey completed October 9, 1926.

3781

3781

# 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 3781

Book "E"

Group 137--Arizona

Fractional Township 42 North, Range 2 West

INDEX and DATE DIAGRAMS

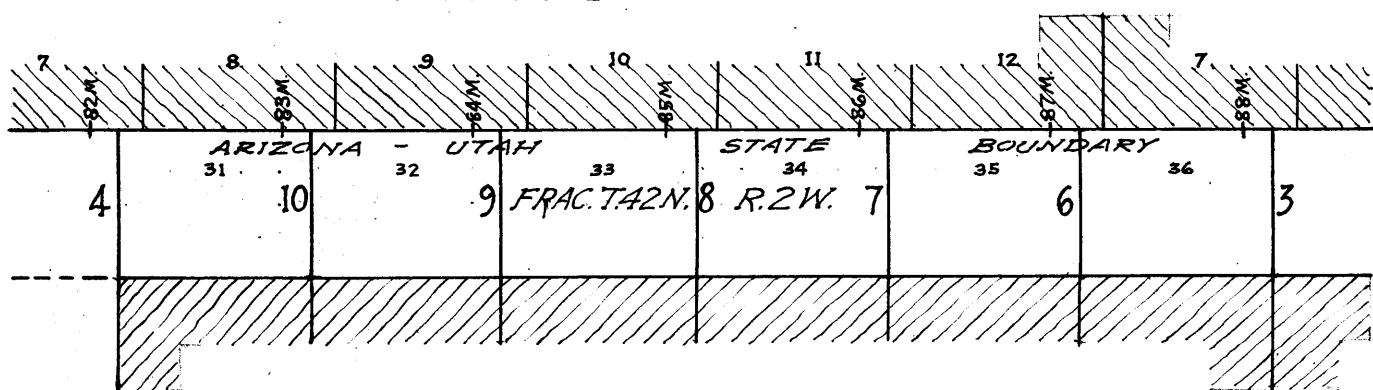
1A

INDEX-DIAGRAM

UTAH

FRAC. T. 44S. - R. 6 W.

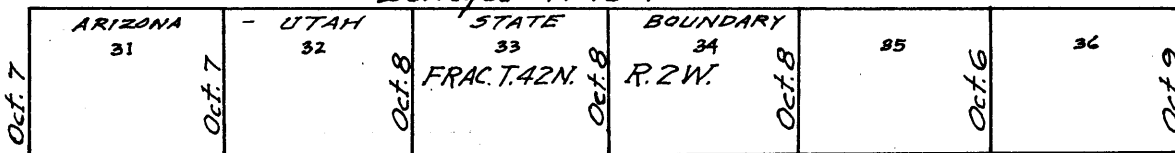
FRAC. T. 44S. - R. 5 W.



- Surveyed under this group.
- Accepted surveys.
- - - - - Unsurveyed.
- Arizona areas surveyed as per accepted plats on file.
- Utah areas surveyed as per accepted plats on file.

DATE-DIAGRAM  
1926

Retraced in connection with Utah surveys.  
Surveyed in 1901



Surveyed in 1911 by Andrew Nelson & W.A. Stumma, U.S. Transitmen.

- Surveyed by Benjamin J. Kinsey, U.S. Surveyor, on dates shown thereon.
- Accepted surveys.

Surveys hereinafter described were executed on dates shown on diagram on page 1 hereof, by Benjamin J. Kinsey, U.S. Surveyor, using Buff and Buff Light Mountain transit No. 9940. The instrument is equipped with a full vertical circle and improved Smith solar attachment; its horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

Oct., 3, 1926: Examine the adjustment of the instrument and find no errors; then, to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by observations on Polaris, proceed as follows:

At 6h. 47m. p.m., l.m.t., at the cor. of secs. 5, 6, 31 & 32, on N. bdy. of T. 41' N., R. 2 W., G. & S. R. B. & M., Arizona, latitude  $36^{\circ}59'22''$  N., longitude  $112^{\circ}33'18''$  W., observe Polaris at Eastern Elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a tack in a stake driven firmly in the ground 5 chs. N.

Azimuth of Polaris at Eastern Elongation =  $1^{\circ}21'58''$ .

Oct. 4, 1926, at 8h. 00m. a.m., lay off the azimuth of Polaris  $1^{\circ}22'$  to the West, and mark the meridian thus determined by a tack in a stake driven firmly in the ground 10 chs. N.

At 9h. 00m. a.m., app.t., set off  $36^{\circ}59\frac{1}{2}'$  N. on the lat. arc,  $4^{\circ}12\frac{1}{2}'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $4^{\circ}15\frac{1}{2}'$  S., which agrees with the computed declination of the sun.

At 3h. 00m. p.m., app.t., with the lat. arc unchanged, set off  $4^{\circ}18\frac{1}{2}'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the observations made during the usual hours of solar work agree within 1' with the true meridian, conclude that the adjustments of the instrument are satisfactory.

-----  
Unless otherwise specified all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Lufkin Standard steel tape 1 ch. in length, and found correct. The measurements are made on the slope, the vertical angles determined with clinometer, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.  
-----

Survey of E. bdy. of Fracl. T.42 N., R.2 W.

From The cor. of Ts. 41 and 42 N., Rs. 1 and 2 W., which was established in 1911 by Walter A. Stumm, U.S. Transitman, under Arizona Group No. 3, ~~the~~ an iron post, 3 ins. in diam., projecting 14 ins. above ground, firmly set, properly marked on brass cap, witnessed by pits, N. & E. and W. of cor. 4 ft. dist. and S., 8 ft. dist. and the following bearing trees:  
 A cedar, 14 ins. diam., brs. S.4°W., 53 lks. dist., correctly marked.  
 A cedar, 8 ins. diam., brs N.70°W., 190 lks. dist., correctly marked.

Thence, ( )  
 North, on true line, bet. secs. 31 and 36.  
 Over gently rolling land; through scattering timber and undergrowth.

- 11.70 Draw, 10 lks. wide, 6 ins. deep, course NW.
- 13.30 Wood road; brs. NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

↑  
 S36 | S31  
 1926

from which

A cedar, 14 ins. in diam., brs. N.14 1/2° E., 42 lks. dist., marked 1/4 S31 BT.  
 A cedar, 8 ins. in diam., brs. S.65°W., 28 lks. dist., marked 1/4 S36 BT.

- 41.85 Wood road, brs. NW. and SE.
- 57.98 Intersect the Utah-Arizona State Boundary, surveyed in 1901 by Howard B. Carpenter, U.S. Surveyor and Astronomer, at a point 13.67 chs. N.89°33'E. of 88th mile mon., which is a sandstone, 20 x 12 x 6 ins. above ground; firmly set, marked 37N on E. face, UTAH on N. face, ARIZ on S. face and 88M on W. face, witnessed by pits; N., S.; E. and W. of cor., 3 ft. dist.

At point of intersection,  
 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of fractional Ts. 42 S., Rs. 1 and 2 W., marked on brass cap

UTAH  
 S36 | S31  
 R2W R1W  
 T42N  
 CC  
 1926

from which

A cedar, 16 ins. in diam., brs. S.36°E., 334 lks. dist., marked T42N R1W S31 CC BT.  
 A cedar, 4 ins. in diam., brs. S.17°W., 365 lks. dist., marked T42N R2W S36 CC BT.

Land: gently rolling.  
 Soil: red sandy loam, 3rd rate.  
 Timber: cedar.  
 Undergrowth: sage, greasewood, cactus.

Survey of W. bdy. of Fract. T.42 N., R.2 W.

Chains

The cor. of Ts. 41 and 42 N., Rs. 2 and 3 W., which was established in 1911 by Walter A. Stumm, U.S. Transitman under Arizona Group No. 3, is an iron post, 3 ins. in diam., projecting 14 ins. above ground, firmly set, marked on brass cap.

T42N  
R3W R2W  
S36 | S31  
S1 | S6  
R3W R2W  
T42N  
1911

from which  
Pits br. N., E. and W. of post, 4 ft. dist. and S. of post, 8 ft. dist. No bearing trees.  
Fences br. N., S. and E. from cor. A branch fence from N. fence brs. W. from a point 25 lks. N.

Thence,  
North, on true line, bet. secs. 31 and 36.  
Over gently rolling land; through scattering timber and undergrowth.

0.15  
34.70  
40.00

Road, brs. NE. and W.  
Old road, brs. NE. and SW.  
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

S36 | S31  
1926

from which  
A cedar, 6 ins. diam., brs. N.72 $\frac{1}{2}$ °E., 258 lks. dist., marked  $\frac{1}{4}$  S31 BT.  
A cedar, 8 ins. diam., brs. N.20°W., 321 lks. dist., marked  $\frac{1}{4}$  S36 BT.

56.71

Intersect the Utah-Arizona State Boundary, surveyed in 1901 by Howard B. Carpenter, U.S. Surveyor and Astronomer, at a point 13.71 chs. N.89°49'E. of the 82nd mile mon., which is an iron post, 2 ins. in diam., projecting 24 ins. above ground, firmly set, marked on brass cap

HVLD  
82M  
ARIZ

from which  
Pits br. N., S., E. and W., 6 ft. dist.  
At point of intersection,  
Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of Fract. T.42N., Rs. 2 and 3 W., marked on brass cap

UTAH  
S36 | S31  
C | C  
R3W R2W  
T42N  
1926

from which  
A cedar, 12 ins. diam., brs. S.34°E., 426 lks. dist., marked T42N R2W S31 CC BT.  
A cedar, 10 ins. diam., brs. S.44°W., 110 lks. dist., marked T42N R3W S36 CC BT.  
Fence brs. E. and W.  
Land: gently rolling. Timber: cedar.  
Soil: sandy, 3rd rate. Undergrowth: sage, greasewood.

Boundaries of Fractional Township 42 North, Range 2 West  
 Latitudes, departures and closing errors.

Line designated	True bearing	Dist- ance	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	S.89°59'W.	479.43		.14		479.43
West Boundary	North	56.71	56.71			
N.Bdy. State Line						
83rd mile	N.89°49'E.	66.20	.21		66.20	
84th mile	N.89°54'E.	80.10	.14		80.10	
85th mile	N.89°51'E.	80.02	.21		80.02	
86th mile	N.89°58'E.	79.95	.05		79.95	
87th mile	N.89°43'E.	79.72	.40		79.72	
88th mile	N.89°57'E.	79.97	.07		79.97	
89th mile	N.89°33'E.	13.67	.11		13.67	
East Boundary	South	57.98		57.98		
Convergency					.06	
<u>Totals</u>			57.90	58.12	479.69	479.43
				57.90	479.43	
<u>Error in latitude</u>				0.22		
<u>Error in departure</u>				0.26		

Chains	
	<p>The cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which was established in 1911 by Walter A. Stumm, U.S. Transitman, under Arizona Group No. 3, with an iron post, 3 ins. in diam., projecting 18 ins. above ground, firmly set, marked on brass cap</p> <p style="text-align: center;">T42NR2W S35 S36 S2 S1 T41NR2W 1911</p> <p style="text-align: right;">from which a</p> <p>mound of stone brs. W., 3 ft. dist. No bearing trees.</p> <p>Thence, N.0°01'W., on true line, bet. secs. 35 and 36.</p> <p>Over rolling broken land; through scattering timber and dense undergrowth.</p> <p>Desc. 46 ft. over NW. slope.</p> <p>3.90 Dry wash, 10 lks. wide, course NE.</p> <p>Asc. 23 ft. over SE. slope.</p> <p>8.70 Rim, brs. NW. and SE.</p> <p>Desc. 140 ft. over NE. slope.</p> <p>14.00 Bottom of descent.</p> <p>Over level bottom land.</p> <p>28.55 Dry wash, 50 lks. wide, 20 ft. deep, course S.70°W.</p> <p>Asc. 116 ft. over S. slope.</p> <p>37.00 Over rolling mesa land.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, supported by a mound of stone, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S35 S36 1926</p> <p style="text-align: right;">from which</p> <p>A cedar, 12 ins. diam., brs. S.80°E., 49 lks. dist., marked <math>\frac{1}{4}</math> S36 BT</p> <p>A cedar, 10 ins. diam., brs. N.79°E., 77 lks. dist., marked <math>\frac{1}{4}</math> S36 BT</p> <p>46.00 Dry wash, 10 lks. wide, course NW.</p> <p>57.70 Intersect the State of Arizona State Boundary, surveyed in 1901 by Howard B. Carpenter, U.S. Surveyor and Astronomer, at a point 13.52 chs. N.89°57'E. of 87th mile mon., which is a sandstone, 16 x 3 by 14 ins. above ground, marked UTAH on N. face, ARIZ on S. face, 87M on W. face and 37NL on E. face. From cor.</p> <p>A cedar, 12 ins. diam., brs. N.81<math>\frac{1}{4}</math>°E., 117 lks. dist., marked UTAH 87M BT</p> <p>A cedar, 4 ins. diam., brs. S.76<math>\frac{1}{4}</math>°E., 40 lks. dist., marked ARIZ 87M BT</p> <p>A cedar, 6 ins. diam., brs. S.13<math>\frac{1}{4}</math>°W., 107 lks. dist., marked UTAH 87M BT</p> <p>At point of intersection,</p> <p>Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bedrock, deposit a stone, marked with cross (+) at base of post, raise a mound of stone, 4 ft. base, 2 ft. high, around post, for closing cor. of secs. 35 and 36, marked on brass cap</p> <p style="text-align: center;">UTAH S35 S36 C C T42NR2W 1926</p> <p style="text-align: right;">from which</p> <p>A pinon, 8 ins. diam., brs. S.33°E., 54 lks. dist., marked T42N R2W S36 CC BT</p>



Survey of Subdivision of Fractional Township 42 North, Range 2 West 7

Chains

A cedar, 12 ins. diam., brs. S.64°W., 136 lks. dist., marked T42N R2W S35 CC BT

Land: rolling, broken and level.  
Soil: rocky, 4th rate, and loam, 1st rate.  
Timber: cedar and pinon.  
Undergrowth: sage, greasewood, cactus.

The cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., which was established in 1911 by Walter A. Stumm, U.S. Transitman, under Arizona Group No. 3, with an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, marked on brass cap:

T42NR2W  
S34 | S35  
S3 | S2  
T41NR2W  
1911

from which  
Pits br. NE., SE., SW. and NW., 5 ft. dist.  
Thence N.0°01'W., on true line, bet. secs. 34 and 35.  
Over level bottom land; through dense undergrowth.  
21.00 Dry wash, 60 lks. wide, 15 ft. deep, course SW.  
27.90 Dry wash, 30 lks. wide, 10 ft. deep, course SW.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for 1/4 sec. cor., marked on brass cap

1/4  
S34 | S35  
1926

No bearing trees available.  
Dig pits, 18 x 18 x 12 ins., one each N. and S. of post, 3 ft. dist.  
50.00 Leave bottom land. Asc. 100 ft. over SE. slope of spur.  
55.60 Spur, slopes SE.  
Desc. 47 ft. over NE. slope.  
57.36 Intersect the Utah-Arizona State Boundary, surveyed in 1901 by Howard B. Carpenter, U.S. Surveyor and Astronomer, at a point 13.17 chs. N.89°43'E. of 86th mile mark, which is a sandstone, 14 x 8 by 12 ins. above ground, marked UTAH on N., ARIZ on S., 86M on W. and 37NL on E. faces. From stone  
A cedar limb, 8 ins. diam., brs. S.43 1/2°E., 64 lks. dist., marked ARIZ 86M BT  
A cedar, 6 ins. diam., brs. N.46°W., 23 lks. dist., marked UTAH 86M BT  
At point of intersection,  
Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground, deposit a stone, marked with cross (+) at base of post, raise a mound of stone, 4 ft. base, 2 ft. high, around post, for closing cor. of secs. 34 and 35, marked on brass cap

UTAH  
S34 | S35  
C C  
T42NR2W  
1926

No bearing trees available.  
Land: gently rolling and broken sandstone ledges.  
Soil: sandy, 2nd and 4th rates.  
Timber: cedar.  
Undergrowth: sage greasewood, cactus.

## Survey of Subdivision of Fractional Township 42 North, Range 2 West

Chains

From The cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., which was established in 1911 by Walter A. Stumm, U.S. Transitman, under Arizona Group No. 3, is an iron post, 3 ins. in diam., projecting 12 ins. above a mound of stone, firmly set, marked on brass cap

T42NR2W  
S33|S34  
S4|S3  
T41NR2W  
1911

from which  
A cedar bearing tree brs. N.62°E., 149 lks. dist.  
A cedar brs. N.81°W., 356 lks. dist.  
A mound of stone brs. W., 3 ft. dist.

Thence, (from cor.)

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

Over gently rolling land; through scattering timber and dense undergrowth.

Desc. slightly over W. slope.

15.00 Desc. slightly over NW. slope.

29.30 Shallow draw, 50 lks. wide, course NW.

Asc. slightly over SW. slope.

35.00 Low spur, slopes NW.

Desc. slightly over NW. slope.

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

$\frac{1}{4}$   
S33|S34  
1926

from which  
A cedar, 12 ins. diam., brs. S.26 $\frac{1}{2}$ °E., 434 lks. dist., marked  $\frac{1}{4}$  S34 BT

A cedar, 4 ins. diam., brs. S.18 $\frac{1}{4}$ °W., 116 lks. dist., marked BT

Desc. slightly over NW. slope.

54.00 Shallow draw, 20 lks. wide, course NW.

Asc. slightly over SW. slope.

57.29 Intersect the Utah-Arizona State Boundary, surveyed in 1901 by Howard B. Carpenter, U.S. Surveyor and Astronomer, at a point 13.39 chs. N.89°58'E. of 85th mile mon., which is a conglomerate rock, 12 x 6 by 18 ins. above ground, firmly set, marked UTAH on N., ARIZ on S., 85M on W. and 37NL on E. faces, witnessed by a mound of stone, 3 ft. by 5 ft. base, 2 ft. high, E. of cor. No bearing trees.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 33 and 34, marked on brass cap

UTAH  
S33|S34  
D.C.C.M.  
T42NR2W  
1926

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

Land: gently rolling.

Soil: sandy, 3rd rate.

Timber: cedar, pinon.

Undergrowth: sage, cactus.

Survey of Subdivision of Fractional Township 42 North, Range 2 West

Chains

From The cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., which was established in 1911 by Walter A. Stumm, U.S. Transitman under Arizona Group No. 3, is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, marked on brass cap

T42NR2W  
S32 | S33  
S5 | S4  
T41NR2W  
1911

from which  
A cedar limb, 6 ins. diam., brs. N.29°E., 83 lks. dist., properly marked.  
A mound of stone, brs. W., 3 ft. dist.

Thence, N.0°03'W., on true line, bet. secs. 32 and 33. Over rolling land; through scattering timber and dense undergrowth.

- 9.40 Desc. 102 ft. over NW. slope. Head of draw, 20 lks. wide, 2 ft. deep, course NW. Asc. 42 ft. over S. slope.
- 12.00 Spur, slopes NW. Desc. 40 ft. over NW. slope.
- 14.30 Dry wash, 30 lks. wide, 2 ft. deep, course SW. Asc. 63 ft. over SW. slope.
- 18.00 Spur, slopes W. A wood road brs. NE. and SW. Desc. 20 ft. over NW. slope.
- 19.50 Dry wash, 20 lks. wide, 2 ft. deep, course SW. Asc. 43 ft. over SE, slope.
- 29.00 Low ridge, brs. SE. and SW. Desc. slightly over NW. slope.
- 38.00 Enter bottom land, brs. E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for 1/4 sec. cor., marked on brass cap.

1/4  
S32 | S33  
1926

from which  
A cedar, 12 ins. diam., brs. N.50°E., 182 lks. dist., marked 1/4 S33 BT  
A cedar, 12 ins. diam., brs. N.35 3/4°W., 240 lks. dist., marked 1/4 S32 BT

- 50.00 Desc. slightly over NW. slope. Dry wash, 50 lks. wide, 2 ft. deep, course NW. Asc. slightly over SW. slope.
  - 52.00 Low spur, slopes NW. Road, brs. NE. and SW. Desc. slightly over NW. slope.
  - 53.50 Dry wash, 20 lks. wide, 2 ft. deep, course SW. Asc. slightly over SW. slope.
  - 57.10 Intersect the Utah-Arizona State Boundary, surveyed in 1901 by Howard B. Carpenter, U.S. Surveyor and Astronomer, at a point 13.13 chs. N.89°51'E. of the 84th mile mon., which is a mound of unmarked stones, 3 ft. base, 2 ft. high, from which  
A cedar limb, 6 ins. diam., brs. N.39°E., 16 lks. dist., marked 84M UTAH BT  
A cedar, 6 ins. diam., brs. S.62°E., 24 lks. dist., marked 84M UTAH BT
- At point of intersection,  
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 32 and 33, marked on brass cap

## Survey of Subdivision of Fractional Township 42 North, Range 2 West

Chains

UTAH  
 S32|S33  
 C.C.  
 T42NR2W  
 1926

from which

A cedar, 10 ins. diam., brs. S.46 $\frac{3}{4}$ °E., 343 lks. dist.,  
 marked T42N R2W S33 CC BT

A cedar, 10 ins. diam., brs. S.46 $\frac{1}{2}$ °W., 152 lks. dist.,  
 marked T42N R2W S32 CC BT

Land: rolling and broken.

Soil: sandy, 3rd rate.

Timber: none.

Undergrowth: sage and greasewood.

The cor. of secs. 5, 6, 31 and 32, on the S. bdy. of  
 the Tp., established in 1911 by Walter A. Stumm, U.S.  
 Transitman under Arizona Group No. 3, is an iron  
 post, 3 ins. diam., projecting 12 ins. above ground,  
 firmly set, marked on brass cap

T42NR2W  
 S31|S32  
 S6|S5  
 T41NR2W  
 1911

E.-W. fence brs. S., 15 lks. dist.

Witnessed by pits, NE., SE., SW. and NW., 5 ft. dist.

Thence, (from cor.)

N.0°03'W., on true line, bet. secs. 31 and 32.

Over rolling land; through scattering undergrowth.

31.00 Desc. 23 ft. over NW. slope.

31.00 Kanab Wash, 20 lks. wide, 2 ft. deep, water, 2 lks. wide,  
 course W.

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

$\frac{1}{4}$   
 S31|S32  
 1926

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of  
 cor., 3 ft. dist.

43.40 Field road, brs. NE. and SW.

George Mace's house brs. N.87°E.

56.90 Intersect the Utah-Arizona State Boundary, surveyed in  
 1901 by Howard B. Carpenter, U.S. Surveyor and Astron-  
 omer, at a point 13.28 chs. N.89°54'E. of the 83rd  
 mile mon., which is an iron post, 2 $\frac{1}{2}$  ins. diam.,  
 projecting 18 ins. above ground, firmly set, marked

HVLLQ

83  
 ARIZ

witnessed by pits, N., S., E. and W. of cor., 6 ft. dist.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for closing cor. of secs. 31 and 32, marked  
 on brass cap

Survey of Subdivision of Fractional Township 42 North, Range 2 West

Chains

UTAH  
S31|S32  
C C  
T42NR2W  
1926

Dig pits, one each E., W. and S. of cor., 3 ft. dist.  
House of Geo. Mace brs. S. 55° E., about 25 chs. dist.  
Land: level and rolling.  
Soil: sandy, 3rd rate.  
Timber: none.  
Undergrowth: sage, greasewood, Russian thistle.

General Description

Fractional Township 42 North, Range 2 West

Land: Is rolling mesas and valleys, broken by sandstone ledges. A portion of Kanab Creek valley in secs. 31 and 32 is being farmed by Geo. Mace from a set of buildings in secs. 32. The remainder of the township is being used for grazing purposes.

Soil: Is a sandy loam, 2nd and 3rd rates in valleys; sandy, 4th rate on slopes.

Timber: Includes only a moderate amount of the scrub varieties of cedar and pinon, useful only for fuel and fencing.

Water : Is to be had only from Kanab Creek throughout the year. Summer flow is small.

Roads: The Kanab-Fredonia Highway passes through sec. 32. There are numerous inferior wood roads in addition.

Mineral: None observed.

Undergrowth: sage, greasewood, Russian thistle, cactus.

FINAL INSTRUMENT TEST

Oct. 10, 1926; on meridian described on page 2, hereof, at 9<sup>h</sup>00<sup>m</sup> a.m., app.t., set off 36° 59' N. on the lat. arc, 6° 31' S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is 6° 34' S., which agrees with the computed decl. of the sun.

At 3<sup>h</sup>00<sup>m</sup> p.m., app.t., with the lat. arc unchanged, set off 6° 36' S. on the decl. arc and determine a meridian with the solar, which agrees within 1' with the true meridian.

As all of the observations made during the usual hours of solar work agree within 1½' with the true meridian, conclude that the adjustment of the instrument has been maintained.



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 U. S. District Cadastral Engineer, for Group 137, Arizona bearing date of the 15th day of April, 1926, 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

the East and West Boundaries and

Subdivision lines of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 2 WEST

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in and by index diagram on page 1, hereof 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. District Cadastral Engineer, for Group 137, 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

Benjamin J. Kinsey U. S. Surveyor.

Date July 23, 1927.

APPROVAL.

OFFICE OF THE UNITED STATES SUPERVISOR OF SURVEYS

Denver, Colorado. July 29, 1927

The foregoing field notes of the survey of the East and West Boundaries and Subdivision lines (Complete) of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 2 WEST

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 April 15, 1926 for Group 137, 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.