

BOOK 3778

FIELD NOTES

~~OF THE SURVEY OF THE~~

OF THE RETRACEMENT OF THE

41st to 44th miles, inclusive of the UTAH-ARIZONA State Boundary,

AND OF THE SURVEY OF THE

West half of the North Boundary,

the West Boundary, and

the Subdivision lines of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 9 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 Oct. 13, 1925, issued by the United States District Cadastre Engineer to govern surveys included in Group No. 137, Arizona, which were approved by the Commissioner of the General Land Office, Oct. 23, 1925, and Assignment Instructions dated April 16, 1926.

Retracement & Survey commenced May 4, 1926.

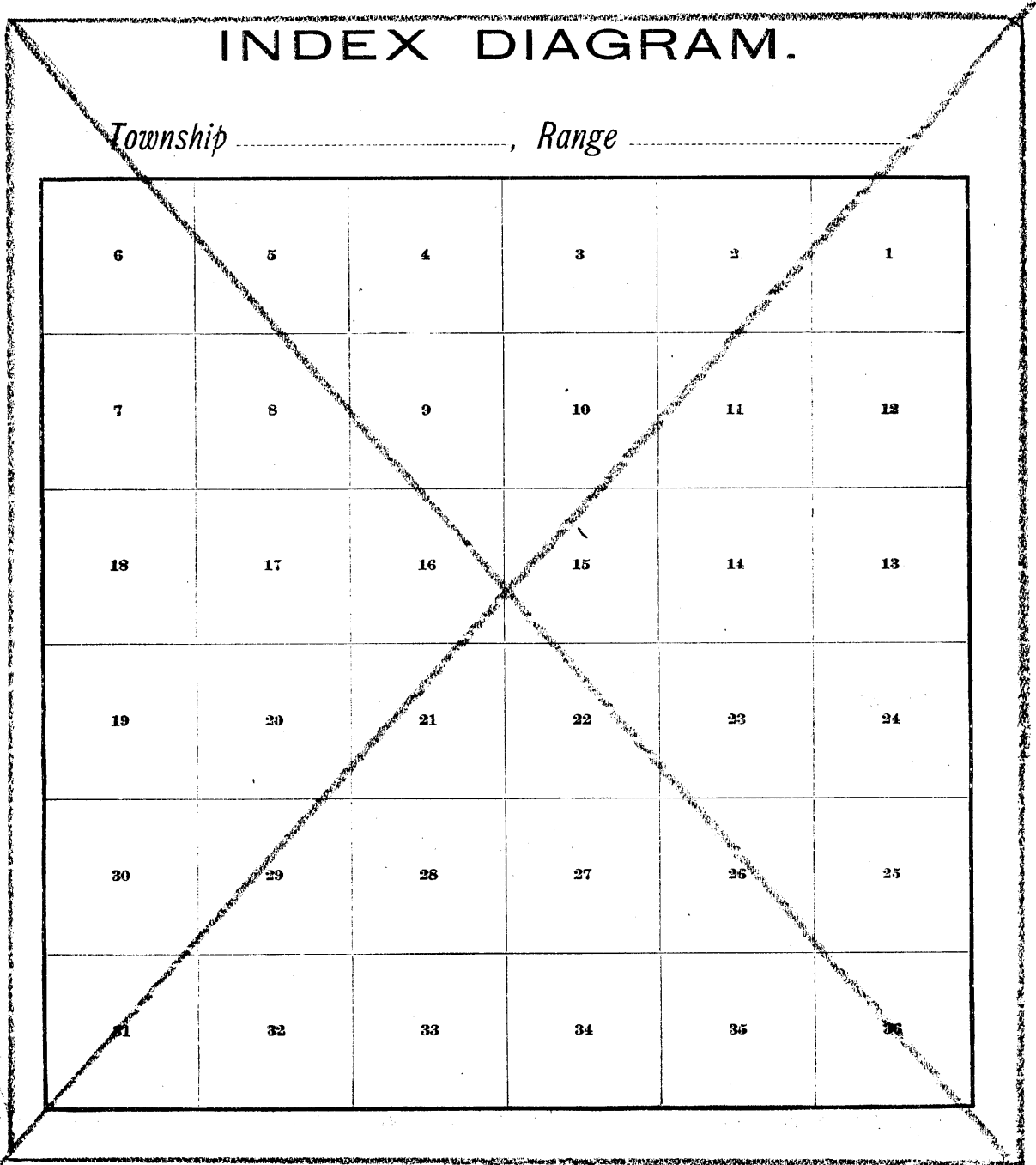
Retracement & Survey completed May 5, 1926.

3778

3778

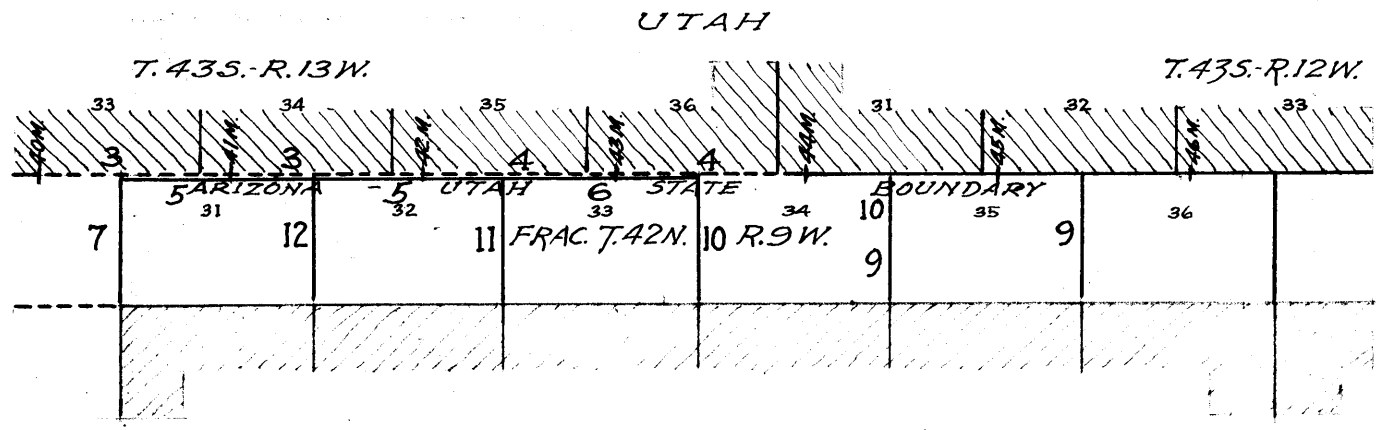
INDEX DIAGRAM.

Township _____, *Range* _____



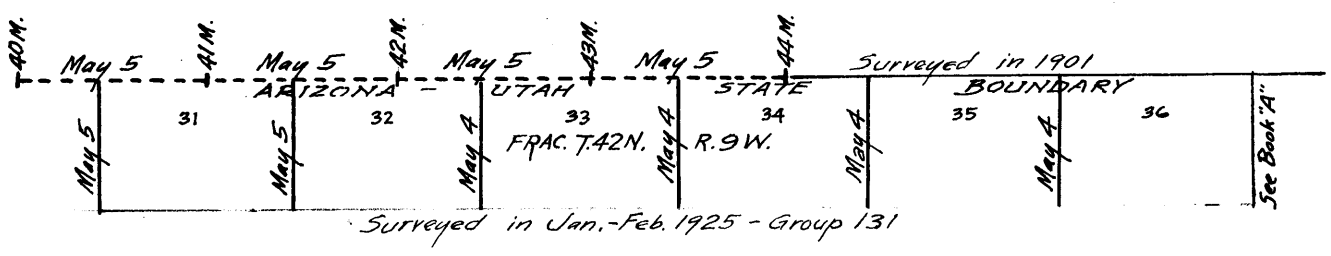
INDEX and DATE DIAGRAMS

INDEX-DIAGRAM



- Surveyed under this group.
- - - - - Retraced under this group.
- Surveyed under Current Group No. 131.
- Accepted surveys.
- - - - - Unsurveyed.
- Arizona areas surveyed under Current Group No. 131.
- Utah areas surveyed as per accepted plats on file.

DATE-DIAGRAM 1926.



- Surveyed by Benj. J. Kinsey, U.S.S. on dates shown thereon.
- - - - - Retraced by Benj. J. Kinsey, U.S.S. on dates shown thereon.
- Surveyed by Benj. J. Kinsey, U.S.S. Notes & dates in Book "A".
- Accepted surveys.
- Surveyed under Current Group No. 131.

Retracements and 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.

May 4, 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 8h.00m., a.m., app. t., on the meridian established by Polaris observation on April 27, 1926 as described in Book "A" of this group, set off $36^{\circ}58\frac{1}{2}'$ N. on the lat. arc, $15^{\circ}53'$ N. on the decl. arc., and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is $15^{\circ}55\frac{1}{2}'$ N., which agrees with the computed decl. of the sun.

At 4h.00m., p.m., app. t., with the lat. arc unchanged, set off $15^{\circ}58\frac{1}{2}'$ N. 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 $1\frac{1}{2}'$ 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 a clinometer, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

Retracement of Part of the Utah-Arizona State Boundary Line
(41st,42nd,43rd and 44th miles)

chains

The Utah-Arizona State Boundary Line was surveyed due East by Howard B. Carpenter, U.S. Surveyor & Astronomer in 1901, establishing monuments thereon at mile intervals and numbering same consecutively from the E. bdy. of Nevada.

The 39th, 40th, 41st, 42nd, 43rd and 44th miles of this line were retraced in 1909 in connection with public land surveys in Utah, and no other retracement or resurvey of the State Bdy. N. of Frac. T. 42 N., R. 9 W., Ariz. is of record.

The following notes describe a retracement of the 41st 42nd, 43rd & 44th miles of the line.

The 40 mile mon. on Utah-Ariz. State Bdy. is an iron pipe, 2 1/4 ins. in diam., projecting 2 ft. above ground, firmly set, marked on brass cap

UTAH

40M

ARIZ

and witnessed by pits, one each E., W., N. & S. of mon. 6 ft. dist.

Thence

N. 89° 58' E., on random line, for dist. only, toward flag visible on the 41 mile mon.

Over rolling land, thru scattering undergrowth.

15.30

Small ravine, course SW.

65.95

Intersect C.C. of secs. 33 & 34, T. 43 S., R. 13 W., Utah, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone N. No bearing trees.

Continue line and measurement.

80.52

Intersect the 41 mile mon., which is an iron pipe, 2 1/4 ins. in diam., projecting 2 ft. above ground, firmly set, marked on brass cap,

UTAH

41M

ARIZ

and witnessed by pits, one each, E., W., N. & S. of mon. 6 ft. dist. No bearing trees.

True course and dist. of 41st mile of the State Bdy. are therefore, N. 89° 58' E., 80.52 chs.

Land, rolling.

Soil, sandy and gravelly, and rocky, 3rd and 4th rate.

Timber, none.

Undergrowth, greasewood, sagebrush and cactus.

From 41 mile mon.,

N. 89° 58' E., on random line, on 42nd mile of State Bdy., for dist. only, toward flag on 42 mile mon. which is visible.

Over rolling land, thru scattering undergrowth.

Ascend over gradual W. slope to

10.00

Foot of Hurricane Ledge, brs. N. & S. Enter mountainous land. Asc. about 500 ft. over cliffs.

21.67

Gulch, 20 lks. wide, course NE.

22.77

Top of Hurricane Ledge, brs. NE. and SW. Leave cliffs.

Ascend over W. slope.

28.47

Old road, brs. N. & S.

30.11

Old road, brs. NW. & SE.

36.71

Spur, slopes SW. Desc. 15 ft.

37.11

Old road, brs. NE. & SW.

38.12

Wash, 90 lks. wide, course SW. Asc. 494 ft. over SW. slope.

65.74

Intersect C.C. of secs. 34 & 35, T. 43 S., R. 13 W., Utah, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone N. No bearing trees.

Retracement of Part of the Utah-Arizona State Boundary Line
(41st, 42nd, 43rd, and 44th miles)

4

chains	
68.21	Spur, slopes SE. Enter rolling land. Descend gradually.
78.23	Intersect 42 mile mon., which is a limestone 12x10x14 ins. above ground, firmly set, marked UTAH on N. face, ARIZ on S. face, 37NL on E. face and 42M on W. face and witnessed by a mound of stone E. of cor. No trees. True course and dist. of 42nd mile of State Bdy. Line are therefore, N. 89°58'E., 78.23 chs. Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, greasewood, sagebrush and cactus.

	From 42 mile mon., N. 89°58'E., on random line, on 43rd mile, for dist. only, toward flag visible at 43 mile mon.
	Over rolling land, thru scattering undergrowth. Desc.
6.48	Gulch, course SW. Asc.
12.18	Spur, slopes S. Descend.
17.78	Gulch, course SW. Asc.
43.04	Hurricane Ridge, brs. N. & S. Desc.
51.05	Gulch, course SW. Asc.
55.05	Spur, slopes SW. Desc.
65.15	Ravine, course S. Road, N. to Hurricane & S. to Antelope Sprgs.
68.36	Intersect C.C. of secs. 35 & 36, T. 43 S., R. 13 W., Utah, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone N. No bearing trees.
81.26	Intersect the 43 mile mon., which is an iron pipe, 2 1/4 ins. in diam., projecting 2 ft. above ground, firmly set, marked on brass cap
	UTAH 43M ARIZ
	and witnessed by pits, one each, E. & W., N. & S. of mon. True course and dist. of 43rd mile of State Bdy. Line are therefore, N. 89°58'E., 81.26 chs. Land, rolling. Soil, rocky, 4th rate. Timber, none. Undergrowth, greasewood, sagebrush and cactus.

	From 43 mile mon., N. 89°58'E., on random line, on 44th mile of State Bdy. for dist. only, toward flag visible at 44 mile mon.
	Over rolling land, thru scattering undergrowth. Desc.
5.00	Gulch, course S. Asc.
10.00	Spur, slopes S. Desc.
30.08	Gulch, course SW. Asc.
67.09	Intersect C.C. of T. 43 S., R. 12 & 13 W., Utah, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by a mound of stone N. No bearing trees. Continue line and measurement. Ascend over rolling S. slope.
80.00	Intersect the 44 mile mon., which is a sandstone, exposed 14x10x6 ins. above a mound of earth and stone in which it is firmly set. Stone is marked UTAH on N. face, ARIZ on S. face, 37NL on E. face and 44M on W. face, and witnessed by a mound of stone E. of cor. No bearing trees. True course and dist. of 44th mile of State Bdy. are therefore, N. 89°58'E., 80.00 chs. Land, rolling. Soil, rocky, 4th rate. Timber, none. Undergrowth, greasewood, sagebrush and cactus.

Survey of Part (West half) of North Boundary of Frac. T.42 N.,
R.9 W., (on Utah-Ariz. State Bdy.)

5

chains	<p>The following notes describe the establishment of the North $\frac{1}{4}$ sec. cor. of secs. 31, 32 & 33, Frac. T.42 N., R.9 W., Ariz. on the Utah-Ariz. State Bdy. Line, at midpoints of N. bdrs. of secs. 32 & 33 and at 40 chs. in westing from C.C. of secs. 31 & 32, which, with the establishment of the closing cor. of said secs. constitutes a survey of the West half of North bdy. of Frac. T.42 N., R.9 W.</p> <p>-----</p> <p>From C.C. of Frac. Ts. 42 N., Rs. 9 & 10 W., hereinafter described, N. $89^{\circ}58'E.$, on true line, on N. bdy. of sec. 31 and on 41st and 42nd miles of State Bdy., retraced as hereinbefore described.</p> <p>Over rolling land, thru scattering undergrowth.</p> <p>30.96 Intersect C.C. of secs. 33 & 34, T.43 S., R.13 W., Utah, hereinbefore described.</p> <p>Continue line and measurement.</p> <p>39.64 (40.00 chs. in westing from C.C. of secs. 31 & 32) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for N. $\frac{1}{4}$ sec. cor. of sec. 31, marked on brass cap,</p> <p style="text-align: center;">UTAH <u>$\frac{1}{4}$ S31</u> 1926</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor. Intersect 41 mile mon. hereinbefore described.</p> <p>45.53 Continue line and measurement.</p> <p>Ascend over gradual W. slope to</p> <p>55.53 Foot of Hurricane Ledge, brs. N. & S. Enter mountainous land</p> <p>Ascend about 500 ft. over cliffs.</p> <p>67.20 Gulch, 20 lks. wide, course NE.</p> <p>68.30 Top of Hurricane Ledge, brs. NE. & SW. Leave cliffs.</p> <p>Ascend over W. slope.</p> <p>74.00 Old road, brs. N. & S.</p> <p>75.64 Old road, brs. NW. & SE.</p> <p>79.64 Intersect the subdivision line bet. secs. 31 & 32, Frac. T.42 N., R.9 W., Ariz. Closing cor. of said secs. established at this point as hereinafter described.</p> <p>Land, rolling and mountainous.</p> <p>Soil, sandy, gravelly and rocky, 3rd and 4th rate.</p> <p>Timber, none.</p> <p>Undergrowth, greasewood, sagebrush and cactus.</p> <p>-----</p> <p>From C.C. of secs. 31 & 32, N. $89^{\circ}58'E.$, on true line, on N. bdy. of sec. 32 and on 42nd and 43rd miles of State Bdy. retraced as hereinbefore described.</p> <p>Over mountainous land, thru scattering undergrowth.</p> <p>Asc. over W. slope.</p> <p>2.60 Spur, slopes SW. Descend 15 ft.</p> <p>3.00 Old road, brs. NE. & SW.</p> <p>4.01 Wash, 90 lks wide, course SW. Ascend 494 ft. over SW. slope</p> <p>31.63 Intersect C.C. of secs. 34 & 35, T.43 S., R.13 W., Utah, hereinbefore described.</p> <p>Continue line and measurement.</p> <p>34.10 Spur, slopes SE. Enter rolling land. Desc. gradually</p> <p>39.93 (Midpoint of N. bdy. of sec. 32) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for N. $\frac{1}{4}$ sec. cor. of sec. 32, marked on brass cap,</p> <p style="text-align: center;">UTAH <u>$\frac{1}{4}$ S32</u> 1926</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor. Intersect 42 mile mon. hereinbefore described.</p> <p>44.12 Continue line and measurement.</p>
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Survey of Part (West half) of North Boundary of Frac. T.42 N., R.9 W.
(on Utah-Arizona State Bdy.)

chains

50.60
56.30
62.00
79.83

Gulch, course SW. Asc.
Spur, slopes S. Desc.
Gulch, course SW. Asc.
Intersect the subdivision line bet. secs. 32 & 33, Frac. T.42 N., R.9 W., Ariz. Closing cor. of said secs. established at this point as hereinafter described.

Land, mountainous and rolling.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, greasewood, sagebrush and cactus.

From C.C. of secs. 32 & 33,
N. 89° 58' E., on true line, on N. bdy. of sec. 33 and on 43rd and 44th miles of State Bdy. retraced as hereinbefore described.

7.30
15.31
19.31
29.41
32.62
40.00

Over rolling land, thru scattering undergrowth. Asc.
Hurricane Ridge, brs. N. & S. Descend.
Gulch, course SW. Asc.
Spur, slopes SW. Desc.
Ravine, course S. Road, brs. N. to Hurricane and S. to Antelope Springs.
Intersect C.C. of secs. 35 & 36, T.43 S., R.13 W., Utah, hereinbefore described.
(Midpoint of N. bdy. of sec. 33) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for N. $\frac{1}{4}$ sec. cor. of sec. 33, marked on brass cap,

UTAH
1/4 S33
1926

45.52
50.52
55.52
75.60
80.00

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
Intersect 43 mile mon. hereinbefore described.
Continue line and measurement.
Gulch, course S. Asc.
Spur, slopes S. Desc.
Gulch, course SW. Asc.
Intersect the subdivision line bet. secs. 33 & 34, Frac. T.42 N., R.9 W., Ariz. Closing cor. of said secs. established at this point as hereinafter described.

Land, rolling.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, greasewood, sagebrush and cactus.

Survey of West Bdy. of Fractional T.42 N., R.9 W.

Chains

The cor. of Ts. 41 and 42 N., Rs. 9 and 10 W., which was established in 1925 by William E. Hiester, U.S. Surveyor, under Arizona Group No. 131, is an iron post, 3 ins. diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and is witnessed by a mound of stone S. of cor. No bearing trees.

Thence, (from cor.):

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

Over rolling land; through dense undergrowth.

Asc. gradual SW. slope.

9.30 Low spur, slopes SW.

Desc. gradual N. slope.

13.60 Dry wash, 10 lks. wide, course SW. Road in bottom brs. NE. and SW.

Asc. gradual S. slope.

22.00 Low spur, slopes SW.

Desc. gradual N. slope.

25.00 Dry wash, 1 ch. wide, course SW.

Asc. gradual N. slope.

40.00 Low spur, slopes SW.

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

1/4
S36|S31
1926

Dig pits, 18 x 18 x 12 ins., one each N. and S. of post, 3 ft. dist.

Asc. gradually over rolling SW. slope.

43.40 Dry wash, 10 lks. wide, course SW.

50.62 Intersect the UTAH-ARIZONA State Boundary at a point 34.99 chs. N. 89° 58' E. of its 40th mile cor., hereinbefore described.

At point of intersection,

Set an iron post, 3 ft. long, 3 ins. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross at base of post, raise a mound of stone, 3 ft. base, 1 1/2 ft. high around post, for closing cor. of fractional Ts. 42 N., Rs. 9 and 10 W., marked on brass cap

UTAH
S36|S31
CC
R9W-R9W
T42N
1926

Land: rolling.

Soil: rocky, 4th rate.

Timber: none.

Undergrowth: sage, greasewood, cactus.

Boundaries of Fractional Township 42 North, Range 9 West
Latitudes, Departures and Closing Errors

Line designated	True bearing	Dist- ance	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	N.89°58'W.	479.50	.28			479.50
West Boundary	North	50.62	50.62			
North Boundary (Utah-Ariz.State Bdy.)	N.89°58'E. East	285.02 194.48	.16		285.02 194.48	
East Boundary	South	51.15		51.15		
Convergency					.05	
<u>Totals</u>			51.06	51.15	479.55	479.50
				51.06	479.50	
<u>Error in latitude</u>			0.09			
<u>Error in departure</u>					0.05	

Survey of Subdivision of Fractional T.42 N., R.9 W.

From The cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which was established in 1925 by William E. Hiester, U.S. Surveyor, under Arizona Group No. 131, is an iron post, 2 ins. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, witnessed by a mound of stone, 3 ft. W. Thence, N.0°01'W., on true line, bet. fractional secs. 35 and 36. Over rolling land; through scattering undergrowth. Desc. slightly over N. slope.

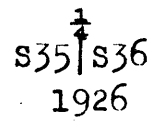
1.20 Shallow draw, course SE.
 Asc. slightly over SW. slope.

2.30 Road, brs. NW. and SE.

20.50 Shallow draw, course SE.

23.80 Road, brs. NW. and SE.

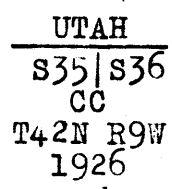
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



Dig pits, 18 x 18 x 12 ins., one each N. and S. of post, 3 ft. dist.

51.03 Intersect the UTAH-ARIZONA State Boundary at a point 34.43 chs. East of its 45th mile mon., which is an iron pipe, 2 1/4 ins. diam., projecting 12 ins. above ground, firmly set, with a brass cap on top marked: UTAH on N. and ARIZ on S. in raised letters, 45M in center, stamped; witnessed by 4 pits, one in each cardinal direction, 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 fractional secs. 35 and 36, marked on brass cap



Raise a mound of stone, 3 ft. base, 2 ft. high, S. of post.

Land: rolling.
 Soil: sandy, 3rd rate.
 Timber: none.
 Undergrowth: broom, sage, cactus.

From The cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., which was established in 1925 by William E. Hiester, U.S. Surveyor under Arizona Group No. 131, is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, witnessed by a mound of stone, 3 ft. W. Thence, N.0°01'W., on true line, bet. fractional secs. 34 and 35. Over gently rolling land; through scattering undergrowth. Desc. slightly.

10.00 Toe of spur, slopes W.

12.20 Desc. 20 ft. over NW. slope.

24.82 Dry wash, 1 ch. wide, 4 ft. deep, course SW.
 Asc. gradual SW. slope.

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

Chains

1
S34 | S35
1926

50.93 Dig pits, 18 x 18 x 12 ins., one each N. and S. of post, 3 ft. dist.
Intersect the UTAH-ARIZONA State Boundary at a point 34.46 chs. East of its 44th mile mon., hereinbefore described.

At point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fractional secs. 34 and 35, marked on brass cap

UTAH
S34 | S35
CC
T42N R9W
1926

Dig pits, 18 x 18 x 12 ins., one each E., W. and S. of post, 3 ft. dist.

Land: rolling.
Soil: sandy, 3rd rate.
Timber: none.
Undergrowth: sage, broom, cactus.

The cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., which was established in 1925 by William E. Hiester, U.S. Surveyor, under Arizona Group No. 131, is an iron post, 2 ins. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, witnessed by a mound of stone, 3 ft. W.

Thence,

N.0°02'W., on true line, bet. fractional secs. 33 and 34. Over rolling land; through scattering undergrowth.

Asc. 16 ft. over SW. slope.

1.50 Spur, slopes SE.

Desc. gentle NE. slope.

7.80 Dry wash, 20 lks. wide, course S.10°E.

Asc. 81 ft. over SW. slope.

11.45 Low spur, slopes SE.

Desc. gentle NE. slope.

12.50 Dry wash, 10 lks. wide, course SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap

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

Dig pits, 18 x 18 x 12 ins., one each N. and S. of post, 3 ft. dist.

Desc. gradually over N. slope.

50.92 Intersect the UTAH-ARIZONA State Boundary at a point 34.48 chs. N.89°58'E. of its 43rd mile mon., hereinbefore described.

At point of intersection,

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

Survey of Subdivision of Fractional T.42 N., R.9 W.

Chains

UTAH

S33|S34

CC

T42N R9W
1926

Dig pits, 18 x 18 x 12 ins., one each E., W. and S. of post, 3 ft. dist.

Land: rolling.
Soil: sandy, 3rd rate.
Timber: none.
Undergrowth: sage, broomweed, cactus.

The cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., which was established in 1925 by William E. Hiester, U.S. Surveyor under Arizona Group No. 131, is an iron post, 2 ins. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, witnessed by a mound of stone, 3 ft. W.

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

- 14.50 Desc. gradual NE. slope.
- 14.50 Dry wash, 10 lks. wide, course SE.
- Asc. gradual SW. slope.
- 34.20 Divide, brs. E. and W.
- Desc. 52 ft. over NE. slope.
- 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

No bearing trees available. raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

- 40.50 Low spur, slopes W.
- Desc. gradual N. slope.
- 44.00 Dry wash, 10 lks. wide, course W.
- Asc. 16 ft. over S. slope.
- 48.00 Low spur, slopes W.
- Desc. gradual NE. slope.
- 50.60 Dry wash, 10 lks. wide, course W.
- Asc. 8 ft. over S. slope.
- 50.88 Intersect the UTAH-ARIZONA State Boundary at a point 35.74 chs. N.89°58'E. of its 42nd mile mon., hereinbefore described.

At point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, deposit a stone marked with cross (+) at base of post, raise a mound of stone around post, for closing cor. of fractional secs. 32 and 33, marked on brass cap

UTAH

S32|S33

CC

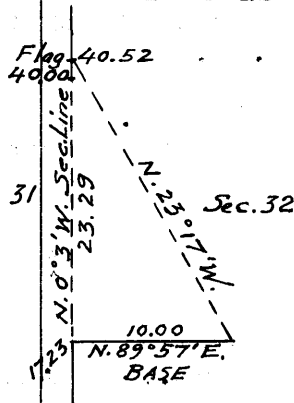
T42N R9W
1926

No bearing trees available.

Land: rolling.
Soil: rocky, 4th rate.
Timber : cedar,

Survey of Subdivision of fractional T.42 N., R.9 W.

Chains	
	Undergrowth: sage broomweed, cactus.
	The cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., which was established in 1925, by William E. Hiester, U.S. Surveyor, under Arizona Group No. 131, is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, witnessed by a mound of stone, 3 ft. W. Thence,
	N. 0° 03' W., on true line, bet. fractional secs. 31 and 32. Over mountainous land; through thinly scattered cedar timber and dense undergrowth.
	Asc. 14 ft. over SW. slope.
3.00	Spur, slopes N. 80° W.
	Desc. 156 ft. over NW. slope.
13.50	Dry wash, 20 lks. wide, course NW.
	Asc. 20 ft. over SW. slope.
17.23	It being impossible to chain across gorge ahead, triangulate as described as follows:
	Set a flag ahead on line.
	Measure a base 10.00 chs. N. 89° 57' E., from E. end of which flag brs N. 23° 17' W.
	From flag the bottom of gorge is approx. 10 chs. dist. at a vertical angle of -39°
	Dist. triangulated = 23.29 chs.
	By chain = 17.23 chs.
	By return measure - .52 chs:
	40.00 chs.
	17.25 Spur, slopes NW.
30.50	Dry wash, 40 lks. wide, in bottom of gorge, 550 ft. deep, course W.
	Asc. approximately 530 ft.
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 cross (+) at base of post; raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap
	1/4 S31 S32 1926
	No bearing trees available.
	Asc. 18 ft. over S. slope.
40.52	Top of jagged, narrow spur, slopes W. Spur breaks abruptly 3 chs. W.
	Desc. 70 ft. over NW. slope.
47.50	Old wagon road, brs. E. and W.
48.00	Dry wash, 1 ch. wide, course NW.
	Asc. 43 ft. over SW. slope.
50.25	(Witness cor., 50 lks. S. 0° 03' E.) Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, deposit a stone, marked with cross (+) at base of post, raise a mound of stone around post, for witness cor. to closing cor. of fractional secs. 31 and 32, marked on brass cap
	UTAH S31 S32 CC T42N R9W WC 1926
	No bearing trees available.



Survey of Subdivision of Fractional T.42 N., R.9 W.

Chains
50.75

Intersect the UTAH-ARIZONA State Boundary at a point
34.11 chs. N.89°58'E. of its 41st mile mon., herein-
be fore described.
Point of intersection falls on steep, sloping bedrock.

Land: mountainous.
Soil: rocky, 4th rate.
Timber: cedar.
Undergrowth: sage, buckbrush, broomweed, cactus.

The continued satisfactory adjustment of the instrument
used in the execution of the foregoing surveys is
indicated from tests described in Book "C".

GENERAL DESCRIPTION

Land: rolling plateau except breaks to West from Hurricane
Ridge in sec. 31.

Soil: ranges from sandy, 3rd rate in the Eastern portion
to rocky, 4th rate in extreme Western.

Water: none.

Timber: a few scattering cedars in sec. 31.

Undergrowth: sage, greasewood, cactus.

Grazing: good.

Mineral: none.

Settlement: none.

Roads: several leading to Hurricane, Utah.

4-680

FIELD ASSISTANTS.
TO
Benjamin J. Kinsey, U.S. Surveyor

NAMES.	CAPACITY.
Earl Endicott	1st. Chainman
Owen Wright	2nd. Chainman
Elliot Pierson	Flagman
Bert Wells	Axman
Earl Childers	Moundsman

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 13th day of October, 19 25, 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, retraced all those parts or portions of the UTAH-ARIZONA State Boundary, and surveyed all those parts or portions of the North and West Boundaries and Subdivision lines of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 9 WEST

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in and by 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 retracement and 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 retracement and 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, 19 27.

The foregoing field notes of the retracement of the 41st to 44th miles, inclusive, of the UTAH-ARIZONA State Boundary, and of the survey of the West 3 miles of the North Boundary, the West Boundary and all of the Subdivision lines of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 9 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 Oct. 15, 1925, 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.

Franklin Johnson
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.