

4-679
(April 1933)

BOOK 4131

FIELD NOTES

of the SURVEY of

WEST BOUNDARY

and

SUBDIVISION LINES

of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 4 EAST

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Bert E. Wakeman and

Daniel M. Wier

U. S. Transitmen

Under special instructions dated July 30, 1936, which provided for the surveys included under Group No. 207, bearing the approval of the Commissioner of the General Land Office under date of August 12, 1936 and assignment instructions dated August 12, 1936

Survey commenced October 14, 1936

Survey completed December 3, 1936

4131

4131

INDEX DIAGRAM.

Township _____, Range _____

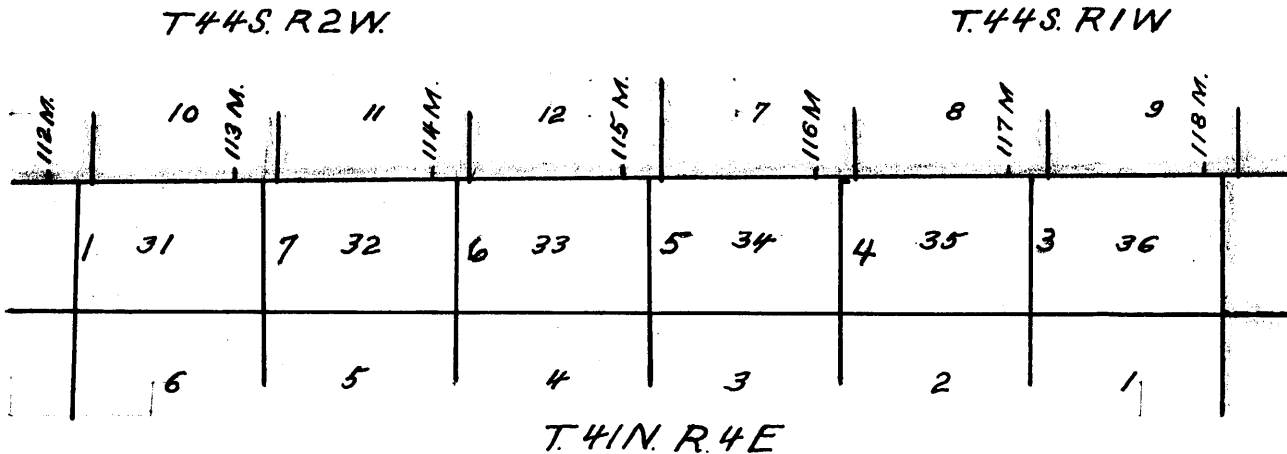
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36



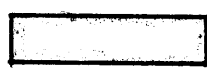


Fractional Township 42 North, Range 4 East, G. & S.R.B. & M.

INDEX DIAGRAM

BOOK 4131

UTAH



-  Accepted surveys.
-  Surveyed under this group.
-  Arizona areas surveyed under current Group 181.
-  Utah areas surveyed as per accepted plats on file.
-  Surveyed under current Group 181.

Survey: West Boundary, Frac. T. 42 N., R. 4 E.

1.3

Chains

The survey of the subdivisions of fractional T. 42 N., R. 4 E. was executed with Young and Son's transits Nos. 8491 and 8540. For description and tests of instruments, description of other equipment and method of survey, see field notes of T. 41 N., R. 2 E., surveyed under this group.

Beginning at the cor. of Ts. 41 and 42 N., R. 3 and 4 E., established under this group, and described in the notes of the survey of the W. bdy. of T. 41 N., R. 4 E.

Thence

North, bet. secs. 31 and 36.

Over mountainous land, thru scattering timber and undergrowth.

Measurement by offset line parallel to and 2.23 chs. dist. east from the sec. line in order to avoid a cliff; asc. 155 ft. over S. slope.

8.70 Asc. 184 ft. over SE. slope.

17.50 Asc. 361 ft. along steep rocky E. slope and return to sec. line at

33.27 Offset point; rocky spur, slopes NE., thence on true sec. line continuing measurement from sec. cor., desc. 129 ft. over rocky NW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to bedrock, and in a md. of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 36 | S 31
1936

from which

A pinyon, 6 ins. diam., brs. S. $35\frac{1}{2}^{\circ}$ E., 48 lks. dist., mkd. $\frac{1}{4}$ S 31 BT

A juniper, 6 ins. diam., brs. N. $69\frac{1}{2}^{\circ}$ W., 57 lks. dist., mkd. $\frac{1}{4}$ S 36 BT

Desc. 15 ft. over rocky NW. slope.

40.45 Rocky ravine, 5 lks. wide, course NE., continue desc. 290 ft. along rocky E. slope.

49.60 Same ravine, 5 lks. wide, course NW., continue desc. 134 ft. over NW. slope

57.15 Same ravine, 5 lks. wide, course NE., asc. 10 ft. along E. slope to

59.15 Intersect Utah-Arizona State Bdy.

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground to bed rock, and in a md. of stone to top, for closing cor. of frac. T. 42 N., Rs. 3 and 4 E., with brass cap mkd.

2. Survey: West Boundary, Frac. T. 42 N., R. 4 E.

Chains

UTAH
 S 36 | S 31
 R 3E | R 4E
 T42N
 CC

1936

from which

A juniper, 14 ins. diam., brs. S. 5° E., 307 lks. dist.,
 mkd. T 42 N R 4 E S 31 CC BT

No other suitable bearing tree within limits.

From the point of intersection the 112 mile mon. on the
 state bdy. brs. West, 11.48 chs. dist., which is a
 sandstone rock, 10 x 9 ins., projecting 20 ins. above
 the ground, firmly set in a md. of stone, properly mkd.,
 and witnessed as described in the official record.

From this same point the closing cor. of secs. 9 and 10,
 Frac. T. 44 S., R. 2 W., Salt Lake Base and Meridian,
 Utah, brs. East, 10.34 chs. dist., which is an iron
 post, 2 ins. diam., firmly set, with brass cap mkd.

U
 T 44S R 2 W
 S 9 | S 10
 C | C
 A

1911

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, sagebrush and cliffrose.
 Grass, fair.

Survey: Subdivision lines, Frac. T. 42 N., R. 4 E

3.

chains

Commence the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., established under this group and described in the notes of survey of the N. bdy. of T. 41 N., R. 4 E.

Thence

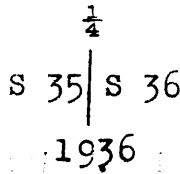
N. 0° 01' W., bet. secs. 35 and 36.

Over gently rolling sand hills, thru scattering timber and undergrowth.

Desc. 91 ft. to

40.00

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 1/4 sec. cor., with brass cap mkd.



from which

A juniper, 10 ins. diam., brs. S.69°E., 145 lks. dist., mkd. 1/4 S 36 BT

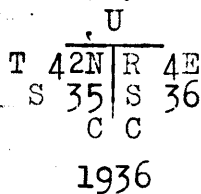
A juniper, 14 ins. diam., brs. N.62°W., 260 lks. dist., mkd. 1/4 S 35 BT

Desc. 64 ft. over gently rolling N. slope to

59.34

Intersect Utah-Arizona State Bdy.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of secs. 35 and 36, with brass cap mkd.



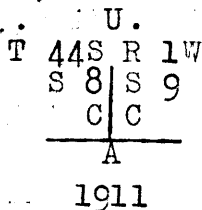
from which

A juniper, 10 ins. diam., brs. S.34 3/4°E., 214 lka. dist., mkd. T 42 N R 4 E S 36 CC BT

A juniper, 24 ins. diam., brs. S.71 3/4°W., 83 lks. dist., mkd. T 42 N R 4 E S 35 CC BT

From point of intersection the 117 mile mon. on the state bdy. bears S. 89° 59' 10" W., 9.28 chs. dist., which is a sandstone rock, 18 x 6 ins., projecting 12 ins. above the ground, properly mkd. and witnessed as described in the official record.

From this same point the closing cor. of secs. 8 and 9, Frac. T. 44 S., R. 1 W., Salt Lake Base and Meridian, Utah, brs. N.89°59'E., 10.86 chs. dist., which is an iron post, 2 ins. diam., firmly set, with brass cap mkd.



Land, gently rolling; Soil, sandy, 3rd and 4th rate. Timber, juniper and pinyon; Undergrowth, sagebrush.

4.

Survey: Subdivision lines, Frac. T. 42 N., R. 4 E.

chains

From the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the Tp., established under this group and described in notes of the survey of N. bdy. of T. 41 N., R. 4 E.

Thence

N. 0° 01' W., bet. secs. 34 and 35.

Over gently rolling sand hills, thru scattering timber and undergrowth.

Desc. 96 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 34 | S 35
1936

from which

A juniper, 6 ins. diam., brs. N.61°E., 201 lks. dist., mkd. $\frac{1}{4}$ S 35 BT

A juniper, 5 ins. diam., brs. S.37 $\frac{3}{4}$ °W., 266 lks. dist., mkd. $\frac{1}{4}$ S 34 BT

Desc. 15 ft. to

58.28 South edge of sandstone ledge, 10 chs. long and 3 chs. wide, brs. E. and W.

59.16 Intersect the Utah-Arizona State Bdy.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. into exposed sandstone bed rock, over a cross (+) mkd. on same and in a md. of stone to top, for the closing cor. of secs. 34 and 35, with brass cap mkd.

UTAH
S 34 | S 35
T 42N | R 4E
C C

1936

from which

A juniper, 18 ins. diam., brs. S.69 $\frac{1}{4}$ °E., 79 lks. dist., mkd. T 42 N. R 4 E. S 35 CC BT

A juniper, 14 ins. diam., brs. S.82 $\frac{1}{4}$ °W., 60 lks. dist., mkd. T 42 N. R 4 E S 34 CC BT

From the point of intersection the 116 mile mon. on the state bdy. brs. S.89°58'W., 9.33 chs. dist., which is a sandstone rock, 15 x 6 ins., projecting 10 ins. above the ground, properly mkd. and witnessed as described in the official record.

From this same point the closing cor. of secs. 7 and 8, Frac. T, 44 S. R. 1 W., Salt Lake Base and Meridian, Utah, brs. N.89°58'E., 10.83 chs. dist., which is an iron post, 2 ins. diam., firmly set, with brass cap mkd.

U
T 44S | R 1W
S 7 | S 8
C C

A

1911

Survey: Subdivision lines, Frac. T. 42 N., R. 4 E.

5.

chains

Land, rolling sand hills, and sandstone out croppings.
Soil, sandy, 3rd and 4th rate.
Timber, juniper and pinyon.
Undergrowth, sagebrush and rabbitweed.
Grass, fair.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., established under this group and described in notes of the survey of N. bdy. of T. 41 N., R. 4 E.

Thence

N. 0° 02' W., bet. secs. 33 and 34.

Over gently rolling sand hills, thru scattering timber and undergrowth.

Desc. 121 ft.

31.00 Sandstone out cropping, 30 ft. wide, brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 33 | S 34
 1936

from which

A sandstone rock, 20 x 20 x 6 ft. above ground, brs. S. 34 $\frac{1}{4}$ ° E., 28 lks. dist., mkd. X B0

A sandstone rock, 60 x 15 x 8 ft. above ground, brs. N. 62 $\frac{1}{4}$ ° W., 75 lks. dist., mkd. X B0

Desc. 17 ft. to

59.03 Intersect Utah-Arizona State Bdy.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, over a mkd. cross (+) on bed rock, and in a md. of stone to top, for closing cor. of secs. 33 and 34, with brass cap mkd.

U
 S 33 | S 34
 T 42 N | R 4 E
 C C

1936

from which

A juniper, 14 ins. diam.; brs. S. 1 $\frac{1}{4}$ ° E., 357 lks. dist., mkd. T 42 N R 4 E S 34 CC BT

A juniper, 16 ins. diam., brs. S. 26 $\frac{3}{4}$ ° W., 344 lks. dist., mkd. T 42 N R 4 E S 33 CC BT

From the point of intersection the 115 mile mon. on the state bdy. brs. West, 9.19 chs. dist., which is a sandstone rock, 12 x 6 ins., projecting 16 ins. above the ground, firmly set, properly mkd., and witnessed as described in the official record.

From this same point the closing cor. of Frac. T. 44 S., Rs. 1 and 2 W., Salt Lake Base and Meridian, Utah, brs. East, 10.89 chs. dist., which is an iron post, 3 ins.

6. Survey: Subdivision lines, Frac. T. 42 N., R. 4 E.

chains	
	diam., firmly set, with brass cap mkd.
	U T44S R 2W R 1W S 12 S 7 C C ----- A 1911
	Land, rolling sand hills and sandstone out croppings. Soil, sandy, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.

	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., established under this group and described in notes of the survey of N. bdy. of T. 41 N., R. 4 E.
	Thence
	N. 0° 03' W., bet. secs. 32 and 33.
	Over gentle rolling sand hills, thru scattering timber and undergrowth.
	Desc. 17 ft.
5.00	S. edge of sandstone ledge, brs. NE. and SW., desc. 69 ft. over gentle N. slope.
30.00	N. edge of same ledge, brs. NE. and SW., desc. 30 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 32 S 33 1936
	from which
	A juniper, 20 ins. diam., brs. S. 32 $\frac{1}{2}$ ° E., 159 lks. dist., mkd. $\frac{1}{4}$ S 33 BT
	A juniper, 16 ins. diam., brs. N. 71 $\frac{1}{2}$ ° W., 243 lks. dist., mkd. $\frac{1}{4}$ S 32 BT
	Desc. 55 ft.
54.20	Sandstone ledge, brs. E. and W.
58.96	Intersect Utah-Arizona State Bdy.
	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of secs. 32 and 33, with brass cap mkd.

Survey: Subdivision lines, Frac. T. 42 N., R. 4 E.

7.

chains

UTAH	
T 42N	R 4E
S 32	S 33
C C	

1936

from which

A juniper, 10 ins. diam. brs. S.38 $\frac{1}{2}$ °E., 74 lks. dist., mkd. T 42 N R 4 E S 33 CC BT

A juniper, 14 ins. diam., brs. S.25 $\frac{1}{2}$ °W., 173 lks. dist., mkd. T 42 N R 4 E S 32 CC BT

From the point of intersection the 114 mile mon. on the state bdy. brs. S.89°58'W., 9.31 chs. dist., which is sandstone rock 12 x 6 ins., projecting 10 ins. above the ground, firmly set, properly mkd. and witnessed as described in the official record.

From this same point the closing cor. of secs. 11 and 12, Frac. T. 44 S., R. 2 W., Salt Lake Base and Meridian, Utah, brs. N.89°58'E., 11.00 chs. dist., which is an iron post. 2 ins. diam., firmly set, with brass cap mkd.

U	
T 44S	R 2W
S 11	S 12
C C	
A	

1911

Land, rolling sand hills and sandstone out croppings. Soil, 3rd and 4th rate, sandy. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., established under this group and described in notes of the survey of N. bdy. of T. 41 N., R. 4 E.

Thence

N. 0° 03' W., bet. secs. 31 and 32.

Over rolling sand hills, thru scattering timber and undergrowth.

Desc. 18 ft.

7.90 Sandstone point, 120 ft. base, 30 ft. high, desc. 90 ft.

16.48 Offset point, south face of conical sandstone point, 80 ft. base, 40 ft. high, on which mkd. a 2 ft. cross (+) discontinue chaining on sec. line at this point owing to sandstone pinnacles, and offset as follows.

East	0.70 chs. thence
N.0°03'W.	1.77 chs. thence
West	0.70 chs. return to sec. line.

18.25 Offset point, north face of same sandstone point, on which mkd. a 2 ft cross (+), resume chaining on sec. line, continuing measurement from sec. cor., desc. 73 ft. over N. slope.

27.25 Wash, 60 lks. wide, course NE., continue over rolling land

Survey: Subdivision lines, Frac. T. 42 N., R. 4 E.

8.

chains

40.00

Set an iron post, 3 ft. long, 1 in. diam. 4 ins. in the ground, over a mkd. cross (+) on bed rock, and in a md. of stone to top, for 1/4 sec. cor., with brass cap mkd.

1/4

S 31 | S 32

1936

from which

A horizontal face of exposed bed rock, brs. N.75 3/4° E., 18 lks. dist., mkd. cross (+) + B0.

A juniper, 8 ins. diam., brs. N.60° W., 189 lks. dist., mkd. 1/4 S 31 BT.

Desc. 27. ft. to

58.86

Intersect Utah-Arizona State Bdy.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, over a mkd. cross (+) on bed rock, and in a md. of stone to top, for cor. of secs. 31 and 32, with brass cap mkd. clos.

UTAH

S 31 | S 32
T 42N | R 4E
C C

1936

from which

A juniper, 12 ins. diam., brs. S.63° E., 124 lks. dist., mkd. T 42 N R 4 E S 32 CC BT.

A juniper, 10 ins. diam., brs. S.15° W., 104 lks. dist., mkd. T 42 N R 4 E S 31 CC BT.

From the point of intersection the 1/2 mile mon. on the state bdy. brs. S.89°56' W., (1/2 mile mon. on the state bdy. brs. S.89°56' W., 9.18 chs. dist., which is a sandstone rock, 18 x 6 ins., firmly set in a md. of stone on smooth bed rock, properly mkd. and witnessed as described in the official record.

From this same point the closing cor. of secs. 10 and 11, Frac. T. 44 S., R. 2 W., Salt Lake Base and Meridian, Utah, brs. N.89°56' E., 10.86 chs. dist., which is an iron post firmly set, with brass cap mkd.

2 ins. diam.

U

T 44S | R 2W
S 10 | S 11
C C

A

1911

Land, rolling sand hills and sandstone out croppings.
Soil, sandy, 3rd and 4th rate.
Timber, juniper and pinyon.
Undergrowth, sagebrush and rabbitweed.
Grass, fair.

Frac. T. 42 N., R. 4 E.

9.

Chains

FINAL TEST OF INSTRUMENTS

For final test of transit No. 8491, see final test in field notes of T. 41 N., R. 3 E., surveyed under this group.

For final test of transit No. 8540, see final test in field notes of T. 41 N., R. 4 E. surveyed under this group.

GENERAL DESCRIPTION

This fractional township adjoining the Utah-Arizona State bdy. is rolling sand hills, draining northerly into the Paria River, which drains into the Colorado River at Lees Ferry, Arizona. The entire township lies on the Paria Plateau.

The elevation ranges from 6000 ft. above sea level along the W. bdy. to 5500 ft. along the E. bdy.

The soil is very sandy, with numerous conical sandstone pinnacles and ledges, 3rd and 4th rate.

There is a scattering growth of juniper and pinyon timber covering all of the township, which has no commercial value.

There is no running water, or roads noted within the township.

There are no settlers, or ranch improvements within the township.

The nearest postoffice in Arizona, is Jacob Lake, which is about 30 miles southwesterly.

The adjoining Utah townships are Frac. T. 44 S., Rs. 1 2 W., Salt Lake Base and Meridian.

There is no indication of valuable mineral deposits within the township.

BOOK 4131

4-680
(August, 1926)

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Orland K. Parks	Prin. Assistant
Leslie McMahan	Chainman
Jack Ralston	Flagman
Kenneth Poor	Axman
Nelson B. Turner	Axman
Edward S. Shinn	Cornerman
<hr/>	
Assistants of Daniel Wier	
Dawson Cooley	Principal Assistant
Edmond R. Brenizer	Chainman
James D. King	Cornerman
Archer Munger	Flagman
Fred Reed	Axman
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CERTIFICATE OF UNITED STATES SURVEYOR

We, Daniel M. Wier, U.S. Transitman and Bert E. Wakeman, U.S. Transitman

, hereby certify upon honor that, in pursuance

of special instructions received from the District Cadastral Engineer for Arizona

bearing date of the 30th day of July, 1936, 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 these parts or portions of

the

WEST BOUNDARY

AND SUBDIVISION LINES

of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 4 EAST

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in

of Benjamin J. Kinsey, U.S. Surveyor;

the foregoing field notes as having been executed by me, and under my direction, and that all the corners of

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, and the special written instructions of the 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.

Phoenix, Arizona
February 23, 1937.

Bert E. Wakeman

U. S. Transitman.

Daniel M. Wier

U. S. Transitman

APPROVAL

Phoenix, Arizona
May 17, 1937.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, June 21, 1937.

The foregoing field notes of the survey of the

WEST BOUNDARY

and

SUBDIVISION LINES of

FRACTIONAL TOWNSHIP 42 NORTH, RANGE 4 EAST

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

executed by Bert E. Wakeman and Daniel M. Wier, U. S. Transitmen

under special instructions dated July 30, 1936, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Franklin B. Kinsey

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.