

4468

4-679  
(September 1948)

ORIGINAL

4468  
Inventor

BOOK 4468

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of the East, North and South Boundaries

and a

Portion of the Subdivision

of

Township 2 South, Range 22 East

4468

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Donald E. Harding - Cartographer-Cadastral

Fred R. Chappell, Cartographic Survey Aid

Under special instructions dated November 10, 1954, which provided

for the surveys included under Group No. 297, approved November 10, 1954

and assignment instructions dated November 17, 1954

Survey commenced January 5, 1955

Survey completed March 18, 1955

4468

1A

BOOK 4468

# INDEX DIAGRAM

Township 2 South, Range 22 East

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

16-56770-1

Lines surveyed by Donald E. Harding

Lines surveyed by Fred R. Chappell

## Partial Subdivision of T. 2 S., R. 22 E.

## Chains

The west boundary and a portion of the north boundary of this partial township is the south boundary of the San Carlos Indian Reservation.

For the test of the instruments and methods used see the notes for T. 4 S., R. 22 E.

The geographic position of the southeast corner of the township is latitude  $33^{\circ}12'19''$  N., longitude  $110^{\circ}02'05''$  W. The magnetic declination is  $14^{\circ}15'$  E.

## East Boundary, T. 2 S., R. 22 E.

From the cor. of Ts. 2 and 3 S., Rs. 22 and 23 E., monumented with an iron post, heretofore described.

North, bet. secs. 31 and 36.

Over high ridges, across deep canyons, through scattered brush.

Desc. 154 ft. over rocky N. slope.

15.10 Wash, 20 lks. wide, 4 ft. deep, course WNW.; asc. 69 ft. over S. slope.

20.90 Spur, slopes W.; desc. 108 ft. over N. slope.

25.10 Wash, 40 lks. wide, 2 ft. deep, course NW.; asc. 140 ft. over S. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 36.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 4 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{4}$

S36 | S31

1955

40.10 Spur, slopes W.; desc. 198 ft. over N. slope.

52.75 Wash, 20 lks. wide, 3 ft. deep, course SSW.; asc. 203 ft. over rocky S. slope.

63.00 Spur, slopes SE.; desc. 84 ft. over NE. slope.

67.30 Wash, 10 lks. wide, 2 ft. deep, course SSE.; asc. 172 ft. over broken S. slope.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T2S

R22E | R23E

S25 | S30

S36 | S31

1955

Land, mountainous.

Soil, rocky clay.

Timber, none.

Undergrowth, scattered mesquite, greasewood, cacti, and grass.

## East Boundary, T. 2 S., R. 22 E.

Chains	
	North, bet. secs. 25 and 30.
	Through scattered paloverde, ocotillo, and mesquite.
	Asc. 149 ft. over S. slope.
9.50	Top, E. side of knoll; desc. 20 ft. over N. slope.
11.00	Small draw, course S. 20° W.; asc. 132 ft. over S. slope.
37.40	Spur, slopes S. 20° W.; asc. 37 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	$\frac{1}{4}$
	S25   S30
	1955
	Asc. 196 ft. over W. slope.
55.00	Spur, slopes W.; desc. 183 ft. over N. slope, through pinon and juniper.
71.00	Wash, 30 lks. wide, 2 ft. deep, course S. 30° W.; asc. 206 ft. over broken S. slope.
80.00	Point for the cor. of secs. 19, 24, 25, and 30.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	T2S
	R22E   R23E
	S24   S19
	S25   S30
	1955
	Land, mountainous.
	Soil, rocky clay.
	Timber, pinon and juniper.
	Undergrowth, ocotillo, paloverde, and mesquite.
	North, bet. secs. 19 and 24.
	Asc. 81 ft. over S. slope, through scattered brush.
4.90	Spur, slopes SW.; desc. 95 ft. over N. slope.
14.00	Wash, 20 lks. wide, 2 ft. deep, course SSW.; asc. 98 ft. over E. slope.
26.00	Spur, slopes SW.; desc. 67 ft. over N. slope.
34.40	Wash, 30 lks. wide, 4 ft. deep, course SW.; asc. 105 ft. over SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

## East Boundary, T. 2 S., R. 22 E.

Chains	$\frac{1}{4}$ <table style="margin-left: auto; margin-right: auto;"> <tr> <td>S24</td> <td> </td> <td>S19</td> </tr> <tr> <td colspan="3" style="text-align: center;">1955</td> </tr> </table> <p>Asc. 220 ft. over SE. slope.</p> <p>51.90 Spur, slopes SW.; asc. 252 ft. over broken W. slope.</p> <p>72.00 Spur, slopes SW.; desc. 476 ft. over rough broken N. slope.</p> <p>80.00 Point for the cor. of secs. 13, 18, 19, and 24.</p> <p>Set an iron post, over an "X" cut in solid rock, and in a mound of stone to top, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">T2S</td> </tr> <tr> <td style="text-align: center;">R22E</td> <td style="text-align: center;">R23E</td> </tr> <tr> <td style="text-align: center;">S13</td> <td style="text-align: center;">S18</td> </tr> <tr> <td style="text-align: center;">S24</td> <td style="text-align: center;">S19</td> </tr> <tr> <td colspan="2" style="text-align: center;">1955</td> </tr> </table> <p>Land, mountainous. Soil, rocky clay. Timber, scattered juniper and piñon. Undergrowth, scattered mesquite, cacti, and grass.</p>	S24		S19	1955			T2S		R22E	R23E	S13	S18	S24	S19	1955	
S24		S19															
1955																	
T2S																	
R22E	R23E																
S13	S18																
S24	S19																
1955																	
	<p>North, between secs. 13 and 18.</p> <p>Desc. 162 ft. over broken N. slope.</p> <p>6.80 Wash, in canyon, 15 lks. wide, course W.; asc. 245 ft. over S. slope.</p> <p>17.60 Spur, slopes W.; desc. 298 ft. over N. slope.</p> <p>30.30 Wash, in canyon, 10 lks. wide, course W.; asc. 134 ft. over S. slope.</p> <p>35.40 Spur, slopes W.; thence along W. slope.</p> <p>40.00 Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 13 and 18.</p> <p>Set an iron post, 28 ins. long, <math>2\frac{1}{2}</math> ins. diam., 4 ins. in the ground, and in a mound of stone to top, with brass cap mkd.</p> $\frac{1}{4}$ <table style="margin-left: auto; margin-right: auto;"> <tr> <td>S13</td> <td> </td> <td>S18</td> </tr> <tr> <td colspan="3" style="text-align: center;">1955</td> </tr> </table> <p>Desc. 300 ft. over NW. slope.</p> <p>49.50 Wash, in canyon, 30 lks. wide, course SW.; asc. 402 ft. over rough broken S. slope.</p> <p>57.20 Spur, slopes S. 75° E.; asc. 360 ft. over broken general S. slope.</p> <p>80.00 Point for the cor. of secs. 7, 12, 13, and 18.</p> <p>Set an iron post, 28 ins. long, <math>2\frac{1}{2}</math> ins. diam., 4 ins. in the ground, and in a mound of stone to top, with brass cap mkd.</p>	S13		S18	1955												
S13		S18															
1955																	

East Boundary, T. 2 S., R. 22 E.

Chains	
	<p>T2S                      R22E   R23E                      S12   S7                      --- ---                      S13   S18                      1955</p>
	<p>Land, mountainous.                      Soil, rocky clay.                      Timber, scattered juniper and pinon.                      Undergrowth, scattered mesquite, cacti, and grass.</p>
	<p>North, bet. secs. 7 and 12.                      Asc. 108 ft. over S. slope.</p>
15.20	Top of cliff, 30 ft. high, bears E. and S. 30° W.; asc. 82 ft. over S. slope.
25.00	Enter grassy flat.
35.73	Intersect the south boundary of the San Carlos Indian Reservation Point for the closing cor. of secs. 7 and 12. Set an iron post, 28 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	<p>S C                      \ I R                      S12   S7                      R22E   R23E                      C   C                      T2S                      1955</p>
	<p>From above point, thence along the 1915 traverse on the south boundary of the San Carlos Indian Reservation, S. 68°45' E., 13.32 chs. dist.; thence S. 48° E., 6.20 chs. dist. to the 18 mile cor. of the San Carlos Indian Reservation boundary, which is monumented with an iron post, set and marked as described in the official record.</p> <p>Land, mountainous.                      Soil, rocky clay.                      Timber, none.                      Undergrowth, scattered ocotillo, greasewood, cacti, and grass.</p>
	<p>From the closing cor. of secs. 7 and 12, north on a blank line across the San Carlos Indian Reservation, with continuous measurement.</p>
80.00	Theoretical point for the cor. of secs. 1, 6, 7, and 12. Continue north on blank line bet. secs. 1 and 6.
80.00	Theoretical point for the cor. of Ts. 1 and 2 S., Rs. 22 and 23 E. Thence west on a blank line, bet. secs. 1 and 36, on north boundary.
59.27	Intersect the south boundary of the San Carlos Indian Reservation. Point for the closing cor. of secs. 1 and 36.

## North Boundary, T. 2 S., R. 22 E.

## Chains

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T1S	
R22E	S
C S36	C
C S1	
T2S	I
1955	R

From above point, the  $15\frac{1}{2}$  mile cor. of the San Carlos Indian Reservation boundary, bears N.  $32^{\circ}$  W., 7.10 chs. dist., and is monumented with an iron post, set and marked as described in the official record.

Thence continue west on the north boundary of the township, bet. secs. 1 and 36.

Desc. 269 ft. over general W. slope.

80.00

Point for the cor. of secs. 1, 2, 35, and 36, on the north boundary of the township.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T1SR22E	
S35	S36
S2	S1
T2S	
1955	

Land, mountainous.  
Soil, rocky clay.  
Timber, none.  
Undergrowth, ocotillo, cacti, and grass.

West, bet. secs. 2 and 35.

14.20

Wash, in draw, 20 lks. wide, course S.  $10^{\circ}$  E.

18.04

Intersect the south boundary of the San Carlos Indian Reservation.

Point for the closing cor. of secs. 2 and 35.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 4 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

S	T1S
C	R22E
I	S35 C
R	S2 C
	T2S
	1955

From above point, the 14 mile cor. of the San Carlos Indian Reservation boundary bears north, 7 chs. dist., and is monumented with an iron post, set and marked as described in the official record.

Land, mountainous.  
Soil, rocky clay.  
Timber, none.  
Undergrowth, ocotillo, cacti, and grass.

## BOOK 4468

South Boundary, T. 2 S., R. 22 E.

## Chains

From the ebr. of Ts. 2 and 3 S., Rs. 22 and 23 E., heretofore described.

West, bet. secs. 1 and 36.

Desc. 454 ft. over broken W. slope.

15.50 Wash, in canyon, 20 lks. wide, course SW.; asc. 516 ft. over rocky broken ESE. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 36.

Set an iron post, over an "X" out in solid rock, and in a mound of stone to top, with brass cap mkd.

$$\frac{1}{4} \begin{array}{l} S 36 \\ S 1 \end{array}$$

1954

Asc. 57 ft. over E. slope.

41.50 Spur, slopes S.; desc. 408 ft. over broken SW. slope.

62.00 Wash, in canyon, 20 lks. wide, course S.; asc. 133 ft. over E. slope.

80.00 Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

$$\begin{array}{l} T2SR22E. \\ S35 | S36 \\ S2 | S1 \end{array}$$

T3S

1954

Land, mountainous.

Soil, rocky clay.

Timber, very scattered juniper.

Undergrowth, greasewood, cacti, and grass.

West, bet. secs. 2 and 35.

1.80 Spur, slopes SSW.; desc. 62 ft. over W. slope.

5.80 Wash, 20 lks. wide, 2 ft. deep, course SSW.; asc. 132 ft. over E. slope.

17.63 Intersect the south boundary of the San Carlos Indian Reservation.

Point for the closing cor. of secs. 2 and 35.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 18 ins. in the ground, with brass cap mkd.

$$\begin{array}{l} S | T2S \\ C | R22E \\ I | S35 \quad C \\ R | S2 \quad C \end{array}$$

T3S

1954

Raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, E. of cor.

BOOK 4468

South Boundary, T. 2 S., R. 22 E.

Chains

From above point, the 8 mile cor. of the south boundary of the San Carlos Indian Reservation bears North, 6.98 chs. dist., and is monumented with an iron post, set and marked as described in the official record.

Land, mountainous.  
Soil, rocky clay.  
Timber, very scattered juniper.  
Undergrowth, greasewood, cacti, and grass.

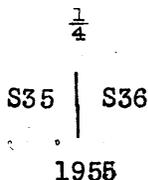
Partial Subdivision, T. 2 S., R. 22 E.

From the cor. of secs. 1, 2, 35, and 36, on the south boundary of the township, heretofore described.

N. 0° 01' W., bet. secs. 35 and 36.

- 1.00 Spur, slopes SW.; desc. 60 ft. over N. slope.
- 12.00 Wash, in canyon, 20 lks. wide, course S. 30° W.; asc. 189 ft. over SE. slope.
- 23.10 Spur, slopes SW.; asc. 115 ft. over broken S. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

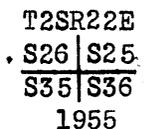


Asc. 292 ft. over SW. slope.

- 57.60 Spur, slopes SW.; desc. 20 ft. over general W. slope.

- 80.00 Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 18 ins. in the ground, with brass cap mkd.



Raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.  
Soil, rocky clay.  
Timber, none.  
Undergrowth, ocotillo, greasewood, cacti, and grass.

From the cor. of secs. 25, 30, 31, and 36, on the E. boundary of the township.

S. 89° 52' W., bet. secs. 25 and 36.

Partial Subdivision, T. 2 S., R. 22 E.

Chains	
	Desc. 280 ft. over WSW. slope.
7.60	Wash, in canyon, 30 lks. wide, course S.; asc. 292 ft. over E. slope.
24.90	Ridge, bears N. and S.; desc. 260 ft. over WSW. slope.
40.08	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd. $\frac{1}{4} \begin{array}{c} S 25 \\ S 36 \end{array}$ 1955
40.40	Wash, 20 lks. wide, 4 ft. deep; course SE.; asc. 68 ft. over E. slope.
46.20	Spur, slopes S.; desc. 133 ft. over W. slope.
56.20	Wash, in draw, 30 lks. wide, course S. 10° E.; asc. 320 ft. over broken E. slope.
72.30	Ridge, bears NE. and S.; desc. 187 ft. over W. slope.
80.16	The cor. of secs. 25, 26, 35, and 36. Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, ocotillo, greasewood, cacti, and grass.
	From the cor. of secs. 1, 2, 35, and 36, on the north boundary of the township. S. 0° 01' E., bet. secs. 1 and 2. Desc. 104 ft. over W. slope.
11.00	Draw, course S. 70° W.; asc. 107 ft. over NW. slope.
22.70	Spur, slopes SSW.; desc. 222 ft. over broken WSW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd. $\frac{1}{4} \begin{array}{c} S2 \\ S1 \end{array}$ 1955
	Desc. 45 ft. over SW. slope.
42.00	Draw, course S. 80° W.; asc. 73 ft. over NW. slope.
51.40	Spur, slopes W.; desc. 129 ft. over S. slope.
65.40	Draw, course W.; asc. 171 ft. over NW. slope.
80.00	Point for the cor. of secs. 1, 2, 11, and 12.

## Partial Subdivision, T. 2 S., R. 22 E.

Chains

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 3 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T2SR22E	
S2	S1
S11	S12
1955	

Land, mountainous.  
Soil, rocky clay.  
Timber, juniper.  
Undergrowth, scrub oak, ocotillo, cacti, and grass.

West, bet. secs. 2 and 11.

Desc. 139 ft. over top of spur sloping W.

17.96 Intersect the south boundary of the San Carlos Indian Reservation.

Point for the closing cor. of secs. 2 and 11.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 4 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

S	T2S	
C	R22E	
I	S2	C
R	S11	C
1955		

From above point, the 13 mile cor. of the south boundary of the San Carlos Indian Reservation bears North, 7.10 chs. dist., and is monumented with an iron post, set and marked as described in the official record.

## General Description

The land is very rough with rocky ledges, rocky outcroppings and occasional rocky peaks. It is covered with scattered juniper and pinon, ocotillo, cacti, and fair grass. The soil is very poor. There is no permanent water within the township. No one living within the boundaries. The only usefulness is grazing.

4-680  
(Feb., 1950)

BOOK 4468

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
George M. Boofer	Instrument man
Donald A. Cannon	Note-keeper
Wade B. Betenson	Chainman
Maurice Hinton	Truck Driver
Thomas Judd	Flagman
George Voorhees	Instrument man
LeRoy McCulley	Note-keeper
Vergean Porter	Chainman
Alburn Griffin	Flagman
Guy Pollock	Truck Driver

CERTIFICATE OF CADASTRAL ENGINEER

We, Donald E. Harding and Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 10th day of November, 1954, we have surveyed the east, north and south boundaries and a portion of the subdivision of Township 2 South, Range 22 East.

of the G. & S. R. Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by us and under our direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
June 29, 1955

Fred R. Chappell
Cartographic Survey Aid
Donald E. Harding
Cartographer - Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., NOV 30 1955, 19

The foregoing field notes of the survey of east, north and south boundaries and a portion of the subdivision of Township 2 South, Range 22 East, Gila and Salt River Meridian, Arizona.

executed by Donald E. Harding and Fred R. Chappell having been critically examined and found correct, are hereby approved.

Donald B. Clement
Chief, Division of Cadastral Engineering
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering