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BOOK 4058

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the  
 RETRACEMENT  
 of a portion  
 of the  
 South Boundary of the San Carlos Indian Reservation  
 and the  
 SURVEY  
 Completing  
 the  
 Subdivisional Lines  
 of  
 Township 2 South, Range 22 East  
 Of the Gila and Salt River Meridian,  
 In the State of Arizona

EXECUTED BY

Boyd S. Owens, Cadastral Surveyor  
 Gary W. Rutledge, Survey Aide

Under special instructions dated March 5, 1962, which provided  
 for the surveys included under Group No. 369, approved March 7, 1962  
 and assignment instructions dated March 6, 1962

Survey commenced March 13, 1962  
 Survey completed April 3, 1962

1A

BOOK 4658

# INDEX DIAGRAM

Township 2 S., Range 22 E.

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

San Carlos Ind. Resv.

16-56770-1

## Chains

The south boundary of the San Carlos Indian Reservation was surveyed in 1883 by P. Riecker and resurveyed in 1915 by H. L. Baldwin. The north, east and south boundaries and part of the subdivisional lines of the township were surveyed by Harding and Chappell in 1955.

The following notes are those of a retracement of a portion of the south boundary of the San Carlos Indian Reservation (from the 16½ mile post to the 17 mile post) and a survey completing the subdivisional lines of Township 2 South, Range 22 East, Gila and Salt River Meridian, Arizona.

This survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1947, and the Special Instructions, dated March 5, 1962.

Only the true line bearings and horizontal distances for the retraced and surveyed lines are given in these notes. Unless described, each corner was monumented with a standard iron post, 30 inches long, 2½ inches in diameter, flanged at the base and with a brass cap riveted to the top.

The geographical position of the SE. cor. of the township is: Latitude, 33°12'29" North, and Longitude, 110°02'05" West. The magnetic declination was found to be 14°15' East.

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Retracement of a Portion of the South Boundary of  
the San Carlos Indian Reservation through Range 22 East

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Retracement of a Portion of the Survey  
executed by H. L. Baldwin in 1915

From the 16½ mile cor. on the S. bdy. of the San Carlos Indian Reservation, monumented by an iron post as described in the official record.

S. 27°03' E. 8.64 chs.

Note: This portion of the S. bdy. of the San Carlos Indian Reservation as officially recorded is found to be in error. (Record S. 46½° E. 10.00 chains.) The record course and dist. leaves the summit of the mountains.

S. 4° W. 11.10 chs.

Angle Point, as described in the official record.

S. 52° E. 16.40 chs.

Angle Point, as described in the official record.

South 2.50 chs.

The 17 mile cor., monumented by an iron post, as described in the official record.

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Survey completing the Subdivisional Lines  
Township 2 South, Range 22 East

From the cor. of secs. 25, 26, 35 and 36, monumented by an iron post as described in the official record.

West, bet. secs. 26 and 35.

Desc. W. slope through scattered pinon trees.

## BOOK 4658

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

2.

Chains											
3.50	Small rocky wash, drains irregularly S.; asc. broken SE. slope.										
10.70	Spur, slopes S.; thence along S. slope.										
14.00	Asc. SE. slope.										
17.52	Fence, barbed wire, bears N. and S.										
17.60	Intersect the S. bdy. of the San Carlos Indian Reservation.										
	Point for the closing cor. of secs. 26 and 35.										
	Set the iron post 8 ins. in the ground, mound with stones to top, cap mkd.										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>S</td><td>T2S</td></tr> <tr><td>C</td><td>R22E</td></tr> <tr><td>I</td><td>S 26 C</td></tr> <tr><td>R</td><td>S 35 C</td></tr> <tr><td colspan="2">1962</td></tr> </table>	S	T2S	C	R22E	I	S 26 C	R	S 35 C	1962	
S	T2S										
C	R22E										
I	S 26 C										
R	S 35 C										
1962											
	From the closing cor., the 9 mile cor. on the S. bdy. of the San Carlos Indian Reservation bears North, 6.95 chs. dist., monumented by an iron post as described in the official record.										
	Land, mountainous. Soil, rocky clay loam. Timber, scattered pinon; undergrowth, none.										
	From the corner of secs. 25, 26, 35 and 36.										
	N. 0°01' W., bet. secs. 25 and 26.										
	Over mountainous land through scattered undergrowth; asc. SW. slope.										
4.60	Base of sandstone ledge, about 50 ft. high.										
7.10	Spur, slopes SE.; desc. over broken E. slope.										
30.80	Desc. steep and broken N. slope.										
38.40	Tributary of Salt Creek, 20 lks. wide, 1 ft. deep, drains S. 80° E.; asc. rocky SE. slope.										
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 26.										
	Set the iron post 4 ins. in the ground, mound with stones to top, cap mkd.										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2">T2SR22E</td></tr> <tr><td colspan="2"><math>\frac{1}{2}</math></td></tr> <tr><td>S26</td><td>S25</td></tr> <tr><td colspan="2">1962</td></tr> </table>	T2SR22E		$\frac{1}{2}$		S26	S25	1962			
T2SR22E											
$\frac{1}{2}$											
S26	S25										
1962											
	Asc. steep S. slope.										
53.80	Top of knoll; desc. steep rocky NE. slope.										
63.40	Enter scattered pinon trees.										
77.20	Rocky wash, drains NW.; asc. along SW. slope.										
80.00	Point for the cor. of secs. 23, 24, 25 and 26.										

## Chains

Set the iron post 10 ins. in the ground, mound with stones to top, cap mkd.

T2SR22E	
S23	S24
S26	S25
1962	

Land, mountainous.

Soil, rocky.

Timber, scattered pinon; undergrowth, scattered cactus, catclaw, ocotillo and creosote.

West, bet. secs. 23 and 26.

Over mountainous land; desc. SW. slope.

1.50 Rocky wash, drains NW.; asc. along broken N. slope.

17.62 Intersect the S. bdy. of the San Carlos Indian Reservation.

Point for the closing cor. of secs. 23 and 26.

Set the iron post 15 ins. in the ground, mound with stones to top, cap mkd.

S	T2S
C	R22E
I	S 23 C
R	S 26 C
1962	

The cor. is 20 lks. S. of stream bed draining E.

From the closing cor. the 10 mile cor. on the S. bdy. of the San Carlos Indian Reservation bears North, 7.01 chs. dist., monumented by an iron post as described in the official record.

Land, mountainous.

Soil, rocky.

Timber, scattered pinon; undergrowth, cactus, ocotillo, catclaw and greasewood.

From the cor. of secs. 19, 24, 25 and 30 on the E. bdy. of the township, monumented by an iron post as described in the official record.

S. 89°47' W., bet. secs. 24 and 25.

Over mountainous land; asc.

9.30 Ridge, bears irregularly N. and S.

16.60 Desc. steep NW. slope.

28.10 Dry wash in bottom of Grapevine Canyon, 20 lks. wide, 1 ft. deep, drains SW. circling to S.

34.20 Small wash, drains S. 60° E.; asc. rocky NE. slope.

40.16 Point for the ¼ sec. cor. of secs. 24 and 25.

Set the iron post 4 ins. in the ground, mound with stone to top, cap mkd.

Chains	
	T2SR22E $\frac{1}{4}$ $\frac{S\ 24}{S\ 25}$ 1962
46.60	Spur, slopes SE.; desc.
67.60	Wash in bottom of Sam Canyon, 40 lks. wide, 1 ft. deep, drains irregularly SE.
75.90	Spur, slopes N. 20° E.; desc. SW. slope.
80.32	The cor. of secs. 23, 24, 25 and 26.  Land, mountainous. Soil, rocky clay loam. Timber, widely scattered pinon; undergrowth, scattered catclaw, Spanish bayonet and greasewood.
	<hr/> N. 0°01' W., bet. secs. 23 and 24.  Desc. over broken mountainous land.  By triangulation, topography estimated.
8.00	Nearly dry pond near Rattle Snake Spring, in bottom of canyon draining NE.; asc.
20.00	Jeep road, bears NW. and SE.
27.00	Rocky draw, drains E.; asc. along spur sloping S.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 24.  Set the iron post 8 ins. in the ground, mound with stones to top, cap mkd.
	T2SR22E $\frac{1}{2}$ S23 S24 1962
	End of triangulation; thence over rolling land.
59.50	Small rocky wash, drains SE.
65.90	Spur, slopes SE.; desc. broken NE. slope.
80.00	Point for the cor. of secs. 13, 14, 23 and 24.  Set the iron post 12 ins. in the ground, mound with stones to top, cap mkd.
	T2SR22E S14 S13 S23 S24 1962
	Land, rough and broken. Soil, rocky clay loam. Timber, widely scattered juniper and pinon; undergrowth, none.

Chains											
	West, bet. secs. 14 and 23.										
	Over rolling mountainous land; asc. along NE. slope.										
12.90	Top of ascent; desc. SW. slope.										
17.70	Intersect the S. bdy. of the San Carlos Indian Reservation.										
	Point for the closing cor. of secs. 14 and 23.										
	Set the iron post 10 ins. in the ground, mound with stones to top, cap mkd.										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">S</td><td>T2S</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">C</td><td>R22E</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">I</td><td>S 14 C</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">R</td><td>S 23 C</td></tr> <tr><td colspan="2" style="text-align: center;">1962</td></tr> </table>	S	T2S	C	R22E	I	S 14 C	R	S 23 C	1962	
S	T2S										
C	R22E										
I	S 14 C										
R	S 23 C										
1962											
	The cor. is 5 lks. E. of fence bearing N. and S.										
	From the closing cor. the 11 mile cor. on the S. bdy. of the San Carlos Indian Reservation bears North, 7.05 chs. dist., monumented by an iron post as described in the official record.										
	Land, mountainous. Soil, rocky clay loam. Timber, scattered juniper; undergrowth, none.										
	From the cor. of secs. 13, 18, 19 and 24 on the E. bdy. of the township, monumented by an iron post as described in the official record.										
	S. 89°56' W., bet. secs. 13 and 24.										
	Asc. over broken N. slope through moderate undergrowth.										
11.20	Asc. ledgy NE. slope.										
14.20	Narrow rocky spur, slopes N. 30° W.; desc. SW. slope.										
25.30	Desc. W. slope.										
27.30	Jeep road, bears N. and S.										
38.20	Low saddle, bears NW. and SE.; desc. gentle SW. slope.										
40.20	Point for the ¼ sec. cor. of secs. 13 and 24.										
	Set the iron post 8 ins. in the ground, mound with stones to top, cap mkd.										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T2SR22E</td></tr> <tr><td style="text-align: center;">¼</td><td style="text-align: center;">S 13</td></tr> <tr><td></td><td style="text-align: center;">S 24</td></tr> <tr><td colspan="2" style="text-align: center;">1962</td></tr> </table>	T2SR22E		¼	S 13		S 24	1962			
T2SR22E											
¼	S 13										
	S 24										
1962											
46.50	Small wash, drains N. 70° W.; thence along gentle N. slope.										
48.60	Begin triangulation, topography estimated; desc. over broken, rocky NW. slope.										
72.40	Bottom of canyon, small stream of running water, course irregularly South; asc. steep E. slope.										
80.40	The cor. of secs. 13, 14, 23 and 24.										

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Chains	
	<p>Land, rough and broken. Soil, rocky clay loam. Timber, scattered juniper; undergrowth, scattered to moderate cactus, ocotillo, Spanish bayonet and catclaw.</p> <hr/> <p>N. 0°01' W., bet. secs. 13 and 14.</p> <p>Over rocky mountainous land, through scattered junipers.</p> <p>By triangulation, topography estimated; desc. over NE. slope.</p>
6.00	Draw, drains E.; asc. over steep S. slope.
30.30	End of triangulation on S. end of hill, thence along rolling hill top.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14.
	Set the iron post 6 ins. in the ground, mound with stones to top, cap mkd.
	<p>T2SR22E <math>\frac{1}{4}</math> S14   S13 1962</p>
	Thence along gentle E. slope.
65.10	Jeep road, bears N. and W.; desc. N. slope.
75.60	Wash, drains NE.
79.00	Jeep road, bears S. 20° W. and N. 20° E. about 7.00 chains to intersection with jeep road bearing E. and N. 60° W.
80.00	Point for the cor. of secs. 11, 12, 13 and 14.
	Set the iron post 15 ins. in the ground, mound with stones to top, cap mkd.
	<p>T2SR22E S11   S12 S14   S13 1962</p>
	Land, mountainous. Soil, rocky clay loam. Timber, scattered juniper and pinon; undergrowth, catclaw, cactus, Spanish bayonet, greasewood and ocotillo. <hr/> <p>West, bet. secs. 11 and 14.</p> <p>Over rolling mountainous land through scattered to moderate juniper and pinon, ascend.</p>
15.50	Top of ascent; desc.
17.73	Fence, bears N. and S.
17.79	Intersect the S. bdy. of the San Carlos Indian Reservation.
	Point for the closing cor. of secs. 11 and 14.



## Chains

Set the iron post on solid rock and in a mound of stone to top, cap mkd.

S	T2S
C	R22E
I	S 11 C
R	S 14 C
1962	

From the closing cor., the 12 mile cor. on the S. bdy. of the San Carlos Indian Reservation bears North, 7.02 chs. dist., monumented by an iron post as described in the official record.

Land, mountainous.

Soil, rocky clay loam.

Timber, scattered to moderate juniper and pinon; undergrowth, cactus, catclaw, Spanish bayonet, ocotillo and greasewood.

From the cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the township, monumented by an iron post as described in the official record.

N. 89°59' W., bet. secs. 12 and 13.

Over mountainous land, desc. SW. slope.

4.50 Rocky wash, 20 lks. wide, 1 ft. deep, drains S. 15° E.; asc. NE. slope.

20.30 Top of asc.; thence over rolling land.

33.60 Spur, slopes S. to SE.; desc. NW. slope.

40.09 Point for the  $\frac{1}{4}$  sec. cor. of secs. 12 and 13.

Set the iron post 10 ins. in the ground, mound with stones to top, cap mkd.

T2SR22E	
$\frac{1}{4}$	S 12
	S13
1962	

41.20 Small wash, drains S. 60° W.

53.30 Small wash, drains S. 20° W.

58.70 Spur, slopes S.

69.20 Wash, drains S. 20° E.

70.60 Jeep road, bears irregularly N. 60° W., and S. 60° E.

76.70 Small wash, drains N. 70° E.

79.40 Jeep road, bears N. 10° E. and S. 10° W.

80.18 The cor. of secs. 11, 12, 13 and 14.

Land, rolling and broken.

Soil, rocky.

Timber, scattered pinon; undergrowth, cactus, Spanish bayonet, ocotillo, catclaw and century plants.

## Chains

N. 0°03' E., bet. secs. 11 and 12.

Over steep rolling mountainous land, through scattered timber.

By triangulation, topography estimated; desc. NE. slope.

7.00 Small wash, drains N. 70° W.; asc. SW. slope.

8.00 Jeep road, bears N. 60° W. and S. 60° E.

14.00 Top of asc.; desc. NW. slope.

19.00 Small wash, drains S. 70° W.; asc. steep SE. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 11 and 12.

Set the iron post 10 ins. in the ground, mound with stones to top, cap mkd.

T2SR22E

$\frac{1}{4}$

S11 | S12

1962

End of triangulation.

48.30 Top of ascent; desc. NE. slope.

66.40 Wash, 30 lks. wide, 1 ft. deep, drains NW.; asc. S. slope.

80.01 The cor. of secs. 1, 2, 11 and 12, monumented by an iron post as described in the official record.

Land, mountainous.

Soil, rocky clay.

Timber, none; undergrowth, cactus, ocotillo, greasewood and Spanish bayonet.

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East, bet. secs. 1 and 12.

Over steep mountainous land; asc.

31.00 Top of asc.; bears N. and S.; thence over nearly level land.

32.33 Intersect the S. bdy. of the San Carlos Indian Reservation.

Point for the closing cor. of secs. 1 and 12.

Set the iron post 8 ins. in the ground, mound with stones to top, cap mkd.

T2S	S
R22E	C
C	S 1
C	S 12
	I
	R
	1962

From the closing cor., the 17 mile cor. on the S. bdy. of the San Carlos Indian Reservation bears: S. 4° W., 2.38 chains; S. 52° E., 16.40 chains; South 2.50 chains. Monumented by an iron post as described in the official record.

Land, mountainous.

Soil, rocky clay loam.

Timber, none; undergrowth, cactus, catclaw, Spanish bayonet and greasewood.

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## Chains

## General Description

The land in fractional Township 2 South, Range 22 East, Gila and Salt River Meridian, Arizona, is extremely rough and broken. The elevation varies from about 3480 feet above sea level in the southeast corner to about 6000 feet in section 1. The land is drained southerly by Salt Creek and its tributaries.

The south boundary of the San Carlos Indian Reservation extends north through the eastern portion of secs. 35, 26, 23, 14, 11 and 2 and northwesterly and southeasterly through sections 1 and 12 along the summit of the Gila Mountain Range.

Grazing of livestock is at present the primary interest as there is water in Sam Canyon and water developed in other areas within the township.



CERTIFICATE OF CADASTRAL SURVEYOR

We Boyd S. Owens  
~~XX~~ Gary W. Rutledge, HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 5th day of March, 1962.

We ~~XX~~ have surveyed a Portion of the Subdivisional Lines of Township 2 South, Range 22 East, and retraced from the 16 1/2 Mile Post to the 17 Mile post on the South Boundary of the San Carlos Indian Reservation.

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by ~~me~~<sup>US</sup> and under ~~my~~<sup>OUR</sup> 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.

12/14/62  
(Date)

*Boyd S. Owens*  
(Cadastral Surveyor)

12/14/62  
(Date)

*Gary W. Rutledge*  
(Cadastral Surveyor)  
Crew Chief (Survey Aide)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 7 1963, 19

The foregoing field notes of the survey of a portion of the subdivisional lines of Township 2 South, Range 22 East, and retracement from the 16 1/2 mile post to the 17 mile post on the south boundary of the San Carlos Indian Reservation, of the Gila and Salt River Meridian, Arizona

executed by Boyd S. Owens, Cadastral Surveyor and Gary W. Rutledge, Survey Aide, having been critically examined and found correct, are hereby approved.

*Ed Pennington*  
(Cadastral Engineering Staff Officer)  
Chief, Division of Engineering

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.

(Date)

(Cadastral Engineering Staff Officer)