

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

PORTIONS OF THE SOUTH BOUNDARY AND SUBDIVISION

AND

SURVEY

OF

PORTIONS OF THE SUBDIVISION OF SECTION 6

TOWNSHIP 1 SOUTH, RANGE 23 WEST

*Of the* Gila and Salt River *Meridian,*

*In the State of* Arizona

EXECUTED BY

Robert C. Yundt, Cadastral Surveyor

*Under special instructions dated* November 4, 1959, *which provided*  
*for the surveys included under Group No.* 344, *approved* November 17, 1959  
*and assignment instructions dated* December 15, 1959

*Survey commenced* January 15, 1960

*Survey completed* February 11, 1960

1A

BOOK 4580

# INDEX DIAGRAM

Township 1 South, Range 23 West

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## Township 1 South, Range 23 West

## Chains

The original survey of T. 1 S., R. 23 W. of the Gila and Salt River Meridian, Arizona was made by John A. Barry, Deputy Surveyor, in 1902, as shown upon a plat approved November 3, 1903.

The following field notes are those of a dependent resurvey of the west mile of the south boundary and sections 6 and 31, and a survey of the subdivision of section lines in section 6.

Before remonumenting an original corner position or restoring a lost corner, the lines of the original survey were retraced and search made for the original monuments and other calls of the field notes, and for other evidence of the original corner positions. After completing the necessary retracements, the rules of proportionate measurement were applied in order to ascertain the position of each lost corner, and when duly identified or restored the corner positions were monumented with iron posts. During the retracements the original  $\frac{1}{4}$  section corner of sections 5 and 6 and corner of sections 5, 6, 7 and 8, were found. Both of these corners were remonumented in 1935 with iron posts by the Bureau of Reclamation and in both cases the original cornerstone was buried alongside the post. The Bureau also remonumented the corner of sections 29, 30, 31 and 32 and the corner of sections 5, 6, 31 and 32 on the south boundary of the township at the same time, the latter corners have been accepted as the corners of the sections concerned by the owners of the adjacent lands, and they are accepted as being the best available evidence of the original corners. In order to simplify the record, only the true line notes, referring to the completed resurvey, are supplied here.

The geographic position of the corner of sections 5, 6, 31 and 32 on the south boundary of the township, determined from the information contained on the quadrangle sheets of the U. S. Geological Survey, is as follows: Latitude  $33^{\circ} 17' 20.1''$  N. and longitude  $114^{\circ} 39' 46.7''$  W. The mean magnetic declination was found to be  $14^{\circ}$  E.

The resurvey was executed with W. and L. E. Gurley solar transit No. 541332 and Wild optical transit Model T-16, No. 54423, both the property of the Bureau of Land Management. The direction of the lines of the resurvey were determined by reference to true meridians established on line during the progress of the field work. The lines were carried forward as transit lines and checked by succeeding observations. The measurements were made with Chicago steel ribbon tapes eight chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a Lufkin standard steel tape, one chain in length and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, or the transit, and the slope distances properly reduced to horizontal equivalents for use in these notes.

Reestablishment of Corners Along the North Boundary of T. 1 S.,  
R. 23 W., Originally Set by John A. Barry in 1902

At a point 27.90 chs. (record dist.) West of the standard cor. of secs 32 and 33, T. 1 N., R. 23 W., mkd. by an iron post,  $2\frac{1}{2}$  ins. diam., conforming to the record of the 1960 resurvey of the Gila and Salt River Base Line, concurrently resurveyed.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 40 ins. in the ground at the restored closing cor. of secs. 5 and 6, T. 1 S., R. 23 W., with brass cap mkd.

Reestablishment of Corners Along the North Boundary of T. 1 S.,  
T. 23 W.

Chains

T1N R23W

S32

S6 | S5

T1S R23W

C C

1960

Deposit broken glass at the base of the iron post, from which the original witness closing cornerstone, a malpais, 20x10x7 ins. lying loose on the ground and mkd. with five grooves on one face and one groove on the opposite, and WCC on a third, bears South, 1.04 chs. dist. From the restored cor. set a redwood post, 6-ft. long, 4 ins. sq. mkd. REF 75 LKS N, set 40 ins. in the ground, bears South 75 lks. dist. Deposit the original stone alongside the wooden post.

At a point 27.90 chs. (record dist.) West of the standard  $\frac{1}{4}$  sec. cor. of sec. 32, T. 1 N., R. 23 W., mkd. by an iron post,  $2\frac{1}{2}$  ins. diam., conforming to the record of the resurvey of the Gila and Salt River Base Line, concurrently resurveyed:

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 40 ins. in the ground at the  $\frac{1}{4}$  sec. cor. on the N. bdy. of sec. 6, T. 1 S., R. 23 W., with brass cap mkd.

T1N R23W

S32 $\frac{1}{4}$  S 6

T1S R23W

1960

Deposit broken glass at the base of the iron post and from which a redwood post, 6 ft. long, 4 ins. sq. mkd. REF 55 LKS S, bears North 55 lks. dist.

At a point 7.90 chs. West of the standard cor. of secs. 31 and 32, T. 1 N., R. 23 W., mkd. by an iron post,  $2\frac{1}{2}$  ins. diam., conforming to the record of the resurvey of the Gila and Salt River Base Line, concurrently resurveyed.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 40 ins. in the ground at the W1/16 sec. cor. on the N. bdy. of sec. 6, T. 1 S., R. 23 W., with brass cap mkd.

S1/16 S6

T1S R23W

1960

Deposit broken glass at the base of the iron post.

Dependent Resurvey of a Portion of the South Boundary  
of T. 1 S., R. 23 W.

Reestablishment of the surveys executed by John A. Barry in 1902.

The original cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp. is mkd. by an iron post, 3 ft. long, 2 ins. diam., being a remonumentation of this point by the U. S. Bureau of Reclamation in 1935. It is accepted as being the best available evidence of the original cor. position. I remove this post, and at the same point,

## Dependent Resurvey of the South Boundary of T. 1 S., R. 23 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T1S R23W  
 $\frac{S31}{S6} | \frac{S32}{S5}$   
 T2S  
 1960

Deposit broken glass at the base of the iron post.

Thence

S. 89° 46' W. on dependent resurvey bet. secs. 6 and 31.

Over level land, through partly cultivated land.

24.60 Edge of cultivation, bears N. and S.; enter medium dense undergrowth.

25.80 Fence, bears N. and S.

26.90 Slough, about 1 ch. wide, drains N. and S.

39.00 Canal, 80 lks. wide, 7 ft. deep, drains S.

40.00 Proportionate dist.; there being no remaining evidence of the original ¼ sec. cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground at the restored ¼ sec. cor. of secs. 6 and 31, with brass cap mkd.

T1S R23W  
 $\frac{1}{4} \frac{S31}{S6}$   
 T2S  
 1960

Deposit broken glass at the base of the iron post.

Cont. on same line with continuous measurement.

62.15 Wash, 30 ft. wide, 3 ft. deep, drains SE.

78.22 The restored cor. of Tps. 1 and 2 S., Rs. 23 and 24 W., mkd. by an iron post, 2½ ins. diam., firmly set in the ground and conforming to the record of the dependent resurvey of T. 1 S., R. 24 W., concurrently resurveyed.

Land, level bottom land.

Soil, deep sandy clay.

Timber, mesquite, palo fierro, locust and palo verde.

Undergrowth, salt cedar, arrow weed, weeds and grass.

## Dependent Resurvey of the Subdivision of T. 1 S., R. 23 W.

Reestablishment of the surveys executed by John A. Barry in 1902.

Beginning at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.

Thence

N. 0° 09' W. on dependent resurvey bet. secs. 31 and 32.

Over level land, through

## Dependent Resurvey of the Subdivision of T. 1 S., R. 23 W.

Chains	
	Over level land, through medium dense timber and undergrowth.
19.95	Fence, bears W. and E. about 25 links to corner of fences bearing N. and S.
39.915	Proportionate dist.; there being no remaining evidence of the original $\frac{1}{4}$ sec. cor.
	<p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 27 ins. in the ground at the restored <math>\frac{1}{4}</math> sec. cor. of secs. 31 and 32, with brass cap mkd.</p> <p style="text-align: center;">T1S R23W <math>\frac{1}{4}</math> S31 S32 1960</p> <p>Deposit broken glass at the base of the iron post. Cont. on same line with continuous measurement.</p>
40.10	Fence, bears W. and E. about 25 lks. to N-S fence line; cont. in lane.
79.83	<p>The cor. of secs. 29, 30, 31 and 32, mkd. by an iron post, 2 ins. diam., being a remonumentation of this point by the U. S. Bureau of Reclamation in 1935. It is accepted as being the best available evidence of the original cor. position. I remove this post and at the same point,</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1S R23W S30 S29 S31 S32 1960</p> <p>Deposit broken glass at the base of the iron post.</p> <p>Land, level bottom land. Soil, deep sandy clay. Timber, palo fierro, mesquite and palo verde. Undergrowth, arrow weed, salt cedar, weeds and grass.</p>
	<p>Beginning at the cor. of secs. 29, 30, 31 and 32.</p> <p>Thence</p> <p>S. <math>89^{\circ} 46' 30''</math> W., on dependent resurvey bet. secs. 30 and 31.</p> <p>Over level land, through cultivated area, along a fenced lane.</p>
.87	Gate in N-S fence line.
37.80	Canal, 15 ft. wide, 3 ft. deep, drains S.
39.50	Unimproved road, bears S.
39.70	Fence, bears N. and S.
40.02	Porportionate dist.; there being no remaining evidence of the original $\frac{1}{4}$ sec. cor.

## Dependent Resurvey of the Subdivision of T. 1 S., R. 23 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 42 ins. in the ground at the restored ¼ sec. cor. of secs. 30 and 31, with brass cap mkd.

T1S R23W

$$\frac{1}{4} \begin{array}{l} \text{S30} \\ \text{S31} \end{array}$$

1960

Deposit broken glass at the base of the iron post.

Cont. on same line, with continuous measurement.

77.84 Gate in N-S fence line.

78.07 The cor. of secs. 25, 30, 31 and 36 on the W. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., firmly set in the ground, conforming to the record of the dependent resurvey in T. 1 S., R. 24 W., concurrently executed.

Land, level bottom land.

Soil, deep sandy clay.

Timber, none.

Undergrowth, in cultivated area.

The cor. of secs. 5, 6, 7 and 8 is marked by an iron post, 3 ft. long and 2 ins. diam., being a remonumentation of the original position by the U. S. Bureau of Reclamation in 1935. Alongside this post is the original cornerstone, a malpais conforming to the official record. I remove this post, and at the same point,

Set an iron post, 30 ins. long, 2½ ins. in diam., 28 ins. in the ground, with brass cap mkd.

T1S R23W

$$\begin{array}{l} \text{S6} | \text{S5} \\ \text{S7} | \text{S8} \end{array}$$

1960

Bury the original stone alongside the iron post.

Thence

N. 89° 58' W. on dependent resurvey bet. secs. 6 and 7.

Over gently rolling land, through medium dense undergrowth.

18.80 Bladed road, bears NE. and SW., Ehrenberg, Arizona to Cibola, Arizona.

21.95 Fence, bears N. and S.

39.55 Fence, bears N. and S.

39.70 Small ditch, drains S.

39.91 Proportionate dist.; there being no remaining evidence of the original ¼ sec. cor.,

Set an iron post, 30 ins. long, 2½ ins. diam., 27 ins. in the ground at the restored ¼ sec. cor. of secs. 6 and 7, with brass cap mkd.

T1S R23W

$$\frac{1}{4} \begin{array}{l} \text{S 6} \\ \text{S 7} \end{array}$$

1960

Deposit broken glass at the base of the iron post.

## Dependent Resurvey of the Subdivision of T. 1 S., R. 23 W.

Chains	
	<p>Cont. on same line with continuous measurement.</p> <p>Leave undergrowth and enter cultivated area.</p>
59.75	Canal, 8 ft. wide, 5 ft. deep, drains S.
77.53	<p>The cor. of secs. 1, 6, 7 and 12 on the W. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., properly mkd., firmly set in the ground, conforming to the record of the dependent resurvey of T. 1 S., R. 24 W., concurrently executed.</p> <p>Land, rolling in the E. and level in the W. Soil, gravelly in the E., deep sandy clay in the W. Timber, palo fierro, palo verde, locust and mesquite. Undergrowth, salt cedar, arrow weed, weeds and grass.</p>
	<p>Beginning at the cor. of secs. 5, 6, 7 and 8.</p> <p>Thence</p> <p>N. 0° 08' W., on dependent resurvey bet. secs. 5 and 6.</p> <p>Over rolling land, through scattered timber and a scant undergrowth.</p>
2.20	Spur, projects W.
3.50	Shallow wash, drains SW.
22.20	Shallow wash, drains W.
27.20	Wash, drains W.
36.30	Wash, drains W.
40.01	<p>The original ¼ sec. cor. of secs. 5 and 6, mkd. by an iron post, 3 ft. long, 2 ins. diam., firmly set in the ground, being a remonumentation of this point by the U. S. Bureau of Reclamation in 1935. The original cornerstone, a malpais boulder, 15x8x5 ins., mkd. ¼ on one face, is buried alongside the iron post. I remove this post, and at the same point,</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T1S R23W ¼ S6   S5 1960</p> <p>Deposit the original stone alongside the iron post.</p>
	<p>Thence</p> <p>N. 0° 03' E., beginning new measurement.</p>
4.45	Bladed road, bears NE. and SW., Ehrenberg, Arizona to Cibola, Arizona.
14.15	Leave rolling land and enter nearly level bottom land, edge bears NE. and SW.
35.00	Low spur, projects W. about 2 chs. to end.

Dependent Resurvey of the Subdivision of T. 1 S., R. 23 W.

Chains

40.02

The restored closing cor. of secs. 5 and 6 on the N. bdy. of the Tp. Land, rolling hills in the S., level bottom land in the N. Timber, palo verde, mesquite, palo fierro and locust. Undergrowth, salt cedar, arrow weed, weeds and grass.

Survey of the Subdivision of Section 6, T. 1 S., R. 23 W.

Beginning at the restored 1/4 sec. cor. of secs. 6 and 7.

Thence

N. 0° 04' W., along the N-S center line of sec. 6.

Over nearly level land in cultivated area, along W. edge of canal.

19.85

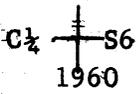
Shallow canal, drains S. from E.; leave cultivated land and enter medium dense undergrowth.

40.01

At the center 1/4 sec. cor. of sec. 6.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 26 ins. in the ground with brass cap mkd.

T1S R23W



Deposit broken glass at the base of the iron post.

44.40

Leave undergrowth, edge bears W. and N., and cont. along the E. edge of a field.

59.80

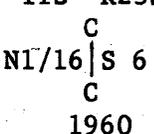
Canal, drains E. at the N. edge of field, re-enter dense undergrowth.

60.01

Proportionate dist. for the center N 1/16 sec. cor. of sec. 6.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 26 ins. in the ground with brass cap mkd.

T1S R23W



Deposit broken glass at the base of the iron post.

80.01

The 1/4 sec. cor. on the N. bdy. of sec. 6.

Land nearly level bottom land.

Soil, deep sandy clay.

Timber, mesquite, palo verde, palo fierro and locust.

Undergrowth, salt cedar, arrow weed, weeds and grass. Partly cultivated.

Beginning at the original 1/4 sec. cor. of secs. 5 and 6.

Thence

N. 89° 59' W., along the E-W center line of sec. 6.

## Survey of the Subdivision of Section 6, T. 1 S., R. 23 W.

Chains	
	Over rolling land, through widely scattered timber and undergrowth.
5.50	Bladed road, bears NE. and SW., Ehrenberg, Arizona to Cibola, Arizona.
15.00	Leave rolling land and enter river bottom land, enter dense timber and undergrowth.
39.92	The center $\frac{1}{2}$ sec. cor. of sec. 6.
59.35	Leave undergrowth and enter plowed field,
59.65	Canal, drains S.
59.90	Proportionate dist. for the center West $\frac{1}{16}$ sec. cor. of sec. 6.  Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T1S R23W W $\frac{1}{16}$ C ————— C S 6 1960
	Deposit broken glass at the base of the iron post.
77.00	Leave plowed field, edge bears N. and S.
77.20	Canal, drains S.
77.48	The restored $\frac{1}{2}$ sec. cor. of secs. 1 and 6 on the W. bdy. of the Tp., mkd. by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, and conforming to the record of the dependent resurvey in T. 1 S., R. 24 W., concurrently executed.  Land, rolling in the E., level in the W. Soil, gravelly clay loam in the E., deep sandy clay in the W. Timber, mesquite, palo verde, palo fierro, locust. Undergrowth, arrow weed, salt cedar, weeds and grass.
	Beginning at the Center West $\frac{1}{16}$ sec. cor. of sec. 6.  Thence  N. $0^{\circ} 09'$ W., along the N-S center line of the NW $\frac{1}{4}$ of sec. 6.  Over level land, through cultivated area.
20.00	At the NW $\frac{1}{16}$ sec. cor. of sec. 6.  Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T1S R23W NW $\frac{1}{16}$ S 6 1960
	Deposit broken glass at the base of the iron post.
20.20	Fence, bears E. and W., fringe of undergrowth along fence.
40.00	The West $\frac{1}{16}$ sec. cor. on the N. bdy. of sec. 6.  Land, level bottom land. Soil, deep sandy clay. Timber, none. Undergrowth, in cultivated area.

## Survey of the Subdivision of Section 6, T. 1 S., R. 23 W.

## Chains

Beginning at the Center North 1/16 sec. cor. of sec. 6.

Thence

West, along the E-W Center line of the NW $\frac{1}{4}$  of sec. 6.

Over level land, along a bank on the N. side of a canal draining E., through a strip of dense undergrowth along the bank top.

18.85 Branch canal, drains S.

19.98 The NW 1/16 sec. cor. of sec. 6.

37.56 Intersect the true point for the N 1/16 sec. cor. of secs. 1 and 6, on the W. bdy. of the Tp., and 20 lks. S. 0° 02' E. of witness cor. mtd. by an iron post, 2 $\frac{1}{2}$  ins. diam., conforming to the record of the dependent resurvey of T. 1 S., R. 24 W., concurrently executed.

Land, level bottom land.

Soil, deep sandy clay.

Timber, none.

Undergrowth, in cultivated area.

## GENERAL DESCRIPTION

The land covered by the resurvey is located principally in the bottom land of the Colorado River. It is nearly level and well suited for agriculture. The soil is a deep sandy clay of excellent quality. The timber consists of mesquite, palo verde, palo fierro and salt cedar, and has no commercial value. The undergrowth is small salt cedar, arrow weed, weeds and grass. A major portion of the land is now under cultivation. The water for the farming operations comes from the river, through canals.



CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of November 1959, I have ~~surveyed~~ independently resurveyed portions of the South Boundary and Subdivision and surveyed a portion of section 6, Township 1 South, Range 23 West

of the G. & S. R. Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my 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  
May 25, 1960

*Robert C. Yundt*  
Robert C. Yundt  
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., JUL 27 1960, 19

The foregoing field notes of the ~~survey of dependent resurvey of portions of the South Boundary and Subdivision, and survey of portions of Section 6, Township 1 South, Range 23 West of the Gila and Salt River Meridian, Arizona~~

executed by Robert C. Yundt, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

*Donald Clement*  
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.

Cadastral Engineering Staff Officer.