

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

DEPENDENT RESURVEY

of the

Section Line

between

Sections 13 and 24

Township 23 North, Range 7 East

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Kenneth D. Herman, Cadastral Surveyor

Under special instructions dated November 30, 19 66, which provided for the surveys  
included under Group Number 477, approved December 1, 1966,  
and assignment instructions dated December 1, 19 66.

Survey commenced December 14, 19 66

Survey completed October 12, 19 67

BOOK 4834  
INDEX DIAGRAM

Township 23 North, Range 7 East

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Township 23 North, Range 7 East  
Gila and Salt River Meridian, Arizona

## CHAINS

The east boundary of the township and a portion of the subdivisional lines, including the section line between sections 13 and 24, were surveyed in 1894 by Oury Perkins. The north four miles of the east boundary were retraced in 1902 by G. A. Lamport.

The following field notes are those of a dependent resurvey of the section line between sections 13 and 24, designed to restore the corners in their true original location according to the best remaining evidence.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the Special Instructions dated November 30, 1966.

Only the true line bearings and horizontal distances for the surveyed lines are given in these field notes. The section line between sections 13 and 24 was surveyed by normal chaining methods. The distance of the line was checked by geodimeters which confirmed the chaining distance.

The geographic position of the closing corner of sections 13 and 24 on the east boundary of the township, as scaled from U.S.G.S. "Sunset Crater West" Quadrangle dated 1966, is: Latitude 35°22.2' North and Longitude 111°35.7' West.

The mean magnetic declination was found to be 14½° East.

Dependent Resurvey of the Section Line  
Between Sections 13 and 24

Reestablishment of the Survey  
Executed by Oury Perkins in 1894

Beginning at the cor. of secs. 13, 14, 23 and 24, monumented by a malpais stone, 16 x 16 x 16 ins., firmly set and dimly mkd. An iron pipe, 1½ ins. diam., was found firmly set alongside the original corner, with cap mkd. 13, 14, 23 and 24 in the proper quadrants, from which the original bearing trees

A pine, 18 ins. diam., bears N. 0°16' E.,  
60 lks. dist. (record dist. 53 lks.);  
scribe marks visible.

A spruce, 12 ins. diam., bears S. 67°28' E.,  
59 lks. dist. (record dist. 48 lks.);  
scribe marks visible.

A spruce, 12 ins. diam., bears S. 6°11' W.,  
45 lks. dist. (record dist. 46 lks.), mkd.  
with blaze.

A pine, 10 ins. diam., bears N. 3°19' W.,  
42 lks. dist., (record dist. 43 lks.);  
scribe marks visible.

BOOK 4834

2.

Dep. Resurvey, Bet. Secs. 13 & 24, T.23 N., R. 7 E., Arizona

CHAINS	
	<p>At the corner point</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, brass cap mkd.</p> <p style="text-align: center;">T23N R7E  <math>\frac{S\ 14}{S\ 23} \mid \frac{S\ 13}{S\ 24}</math>                      1966</p> <p>Deposit the orig. cor. stone and the 1½ ins. iron pipe alongside the iron post.</p> <p>S. 88°04' E., bet. secs. 13 and 24.</p> <p>Desc. over steep rolling NE. slope through moderate to dense timber.</p>
15.50	Slope changes to a steep N., continue descent.
19.10	<p>Point for the W 1/16 sec. cor. of secs. 13 and 24.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins., in the ground, mound with stone to top, brass cap mkd.</p> <p style="text-align: center;">T23N R7E                      W <math>\frac{1}{16}</math> <math>\frac{S\ 13}{S\ 24}</math>                      1967</p> <p>from which</p> <p style="padding-left: 40px;">A spruce, 6 ins. diam., bears N. 64¼° E., 26½ lks. dist., mkd. W 1/16 S 13 BT.</p> <p style="padding-left: 40px;">A spruce, 23 ins. diam., bears S. 71° W., 23 lks. dist., mkd. W 1/16 S 24 BT.</p> <p style="padding-left: 40px;">A pine, 16 ins. diam., bears N. 69°40' W., 101 lks. dist., mkd. W 1/16 S 13 BT.</p> <p>Descend over steep rolling NE. slope.</p>
26.50	Bottom of canyon, drains SE., track road follows along canyon bottom. Begin asc. over S. end of a hill through an area being excavated for aggregate.
36.00	Leave excavation area; desc. along S. slope.
38.20	<p>The ¼ sec. cor. of secs. 13 and 24, monumented by an iron pipe, 1½ ins. diam., with cap mkd. <math>\frac{13}{24}</math>.</p> <p>This cor. position was used in 1943 by a registered engineer to survey the original Fisher placer claims and was again used in 1959 by a registered mineral surveyor to establish the approximate boundaries of the amended Fisher placer claims (which were patented in 1959 by legal subdivision). This cor. is also harmoniously related to the topography of the original survey and is accepted as the best remaining evidence of the orig. cor. position.</p> <p>At the corner point</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, brass cap mkd.</p>

CHAINS

T23N R7E

$\frac{1}{4}$  S 13  
S 24

1967

from which

A local bearing tree, a pine, 36 ins. diam., bears N. 8°15' E., 34 lks. dist., mkd.  $\frac{1}{4}$  S 13 BT.

A local bearing tree, a pine, 25 ins. diam., bears S. 72°20' E., 16 lks. dist., mkd.  $\frac{1}{4}$  S 24 BT.

The Witness Cor. for cor. No. 4, M. S. No. 4650, Collins No. 1 Placer on line 1-2, M. S. No. 4652, Kincanon No. 1 Placer, bears N. 86°35' E., 3.607 chs. dist., monumented by an iron post, 1 in. diam., with brass cap mkd. USMS 4650 WC C 1-4.

The Witness Cor. for cor. No. 2, M. S. No. 4652, Kincanon No. 1 Placer, bears S. 0°26' W., 0.791 chs. dist., with brass cap mkd. U.S.M.S. 4652 WC K 1-2.

The true point for Cor. No. 4, M.S. No. 4650, Collins No. 1 Placer, monumented by a small wooden post that had been cut off below ground level by bulldozer operations, bears N. 87°19' E., 3.484 chs. dist. This cor. point is claimed by interested parties to have been used as the  $\frac{1}{4}$  sec. cor. of secs. 13 and 24. However, the cor. point does not agree with the topography of the original survey and no additional evidence was found to justify accepting this point as the corner.

The approximate position of another point, used by local surveyors for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 24, was pointed out by an equipment operator working on the Fisher claims. This cor., about 2.00 chs. south of the accepted  $\frac{1}{4}$  sec. cor., had been destroyed during excavation and stockpiling of aggregate.

A  $\frac{1}{2}$  in. steel rod, bears N. 88°15'30" W., 1.448 chs. dist.

Raise a mound of stone N. of the cor.

Invert the local cor. and set alongside the iron post.

S. 88°34' E., beginning new measurement.

Desc. over SE. slope.

2.50 Enter canyon, bears NE. and S. 70° W. Several bladed roads are in the canyon, used for exploratory work and gravel hauling.

11.00 Canyon bottom, no defined channel, drains NE.

15.50 Leave canyon, enter old gravel pit.

Dep. Resurvey, Bet. Secs. 13 & 24, T.23 N., R. 7 E., Arizona

CHAINS

18.90 Leave old gravel pit; desc. gentle E. slope through moderate pine timber.

41.68 The closing cor. of secs. 13 and 24, on the E. bdy. of the Tp., monumented by a lava rock, 8 x 10 x 12 ins., firmly set and plainly mkd. with CC on W. face and 3 notches on the N. and S. faces.

from which

A pine, 22 ins. diam., bears S. 49°15' W., 106 lks. dist., mkd. T23N R7E S24 BT.

A pine, 20 ins. diam., bears N. 33° W., 39 lks. dist., with scribe marks illegible.

At the corner point

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

		T23N	
		R7E	R8E
C	S	13	
C	S	24	

1966

Raise a mound of stone W. of the iron post.

Deposit the orig. cor. in the mound of stone.

Land, mountainous West ½ mile, gently rolling in East ¼ mile.

Soil, gravelly loam.

Timber, moderate pine.

Undergrowth, scattered to moderate bunch grass.

General Description

The land is mountainous to gently rolling and is covered by a moderate stand of pine. The soil is rocky and consists mainly of volcanic deposits containing pumice of commercial value. At present, there is an extensive mining operation west of and adjacent to the ¼ sec. cor. of secs. 13 and 24. A well-maintained road bears easterly from the area to U. S. Highway 89, about two miles distant. The elevation ranges from about 7,800 feet above sea level at the closing corner of sections 13 and 24 to about 8,000 feet above sea level at the corner of sections 13, 14, 23 and 24.



BOOK 4834

CERTIFICATE OF SURVEY

I, Kenneth D. Herman, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 30th day of November, 1966, I have dependently resurveyed the section line between sections 13 and 24, Township 23 North, Range 7 East,

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 and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

March 29, 1968  
(Date)

*Kenneth D. Herman*  
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

SUBMITTED FOR APPROVAL  
Date SEP 25 1968  
APR 11 1969

BUREAU OF LAND MANAGEMENT,  
Washington, D. C.

The foregoing field notes of the dependent resurvey of the section line between sections 13 and 24, Township 23 North, Range 7 East, Gila and Salt River Meridian, Arizona,

executed by Kenneth D. Herman, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

APR 18 1969  
(Date)

*Mark I. Sumner*  
Chief, Division of Cadastral Survey

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)

(Chief, Division of Engineering)