

INDEX DIAGRAM

TOWNSHIP 25 NORTH, RANGE 28 EAST,

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

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BOOK 5301

T 25 N, R 28 E, Gila and Salt River Mer., Arizona

CHAINS

Following are the notes of the dependent resurvey of a portion of the subdivisional lines, and the survey of the subdivision of section 24, Township 25 North, Range 28 East, of the Gila and Salt River Meridian, Arizona.

The east boundary was surveyed by L.E. Sechrist in 1920. The subdivisional lines of the township were surveyed by L.E. Sechrist and S.E. Blout, in 1920 and 1927.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated August 19, 1985, for Group No. 670, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of lines were determined by direct solar observations and refer to the true meridian. Distances and angles were measured using a Nikon NTD-4 electronic instrument.

The geographic coordinates at the following listed point were determined by the technique of relative positioning using the Magnavox MX 1502 Satellite Surveyor. "COY," a first order triangulation station established by the United States Coast and Geodetic Survey was used as the control station. Elevations and coordinates refer to the top of the monument.

Elevation	Latitude	Longitude
Southeast Corner of Section 24 7470 ft.	35°32'47.72" N	109°17'37.03" W
"COY" 6421 ft.	35°47'07.629" N	108°34'29.610" W

The mean magnetic declination is 12 1/2° E.

BOOK 5301

Dependent Resurvey of a Portion of the Subdivisional Lines,
T 25 N, R 28 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p>(Restoring the survey executed by L.E. Sechrist in 1920)</p> <hr/>
	<p>Beginning at the cor. of secs. 19, 24, 25 and 30, on the E bdy. of the Tp., monumented with an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1985 resurvey of the W bdy., T 25 N, R 29 E, executed concurrently under this same group.</p>
	<p>N 89°56' W, bet. secs. 24 and 25.</p>
	<p>Over rolling land.</p>
21.30	<p>Trail road, bears S 60° E and N 60° W.</p>
27.90	<p>Trail road, bears S 15° E and N 15° W.</p>
40.03	<p>The 1/4 sec. cor. of secs. 24 and 25, monumented with an iron post, 1 in. diam., firmly set, projecting 26 ins. above ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd. as described in the official record of the 1920 survey of the subdivisional lines, T 25 N, R 28 E, from which the original bearing trees:</p>
	<p>A ponderosa pine, 28 ins. diam., bears N 20° E, 166 1/2 lks. dist., with healed blaze. (Record: N 20 1/4° E, 167 lks. dist.)</p>
	<p>A ponderosa pine, 27 ins. diam., bears S 25 3/4° W, 191 lks. dist., with healed blaze. (Record: 192 lks. dist.)</p>
	<p>Add the marks T25N R28E 1986 to the brass cap.</p> <hr/>
	<p>N 89°55' W, beginning new measurement.</p>
40.02	<p>The cor. of secs. 23, 24, 25 and 26, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. as described in the official record of the 1920 survey of the subdivisional lines, T 25 N, R 28 E, from which the remaining original bearing trees:</p>
	<p>The base of a piñon log, 13 ins. diam., laying atop the ground, bears N 29 1/4° E, 290 lks. dist., mkd. T25N 28E 2 T on open blaze. (Record: N 29 1/2° E, 297 lks. dist.)</p>

BOOK 5301

Dependent Resurvey of a Portion of the Subdivisional Lines,
T 25 N, R 28 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p>A piñon, 21 ins. diam., bears S 81° E, 161 1/2 lks. dist., mkd. T25N 28E 25 BT on open blaze. (Record: 161 lks. dist.)</p> <p>An oak, 9 ins. diam., bears N 33° W, 26 1/2 lks. dist., with healed blaze. (Record: N 39 1/4° W, 26 lks. dist.)</p> <p>from which the new bearing trees:</p> <p>A piñon, 10 ins. diam., bears N 42° E, 93 1/2 lks. dist., mkd. T25N R28E S24 BT.</p> <p>A piñon, 8 ins. diam., bears S 77 3/4° W, 22 lks. dist., mkd. T25N R28E S26 BT.</p> <p>Add the marks 1986 to the brass cap.</p>
	<p>N 0°01' W, bet. secs. 23 and 24.</p>
	<p>Over rolling land.</p>
4.60	<p>Graded road, 30 lks. wide, bears N 15° E and S 15° W.</p>
40.07	<p>The 1/4 sec. cor. of secs. 23 and 24, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. as described in the official record of the 1920 survey of the subdivisional lines, T 25 N, R 28 E, from which the original bearing trees:</p> <p>A piñon, 14 ins. diam., bears S 52 1/4° E, 53 lks. dist., mkd. 1/4 S24 BT on partially healed blaze. (Record: S 52 1/2° E, 52 lks. dist.)</p> <p>A ponderosa pine, 22 ins. diam., bears S 83 1/2° W, 64 lks. dist., with healed blaze.</p> <p>Add the marks T25N R28E 1986 to the brass cap.</p> <hr/> <p>North, beginning new measurement.</p>

BOOK 5301

Dependent Resurvey of a Portion of the Subdivisional Lines,
T 25 N, R 28 E, Gila and Salt River Mer., Arizona

CHAINS	
40.04	<p>The cor. of secs. 13, 14, 23 and 24, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, in a collar of stone, 3 ft. base, to top, with brass cap mkd. as described in the official record of the 1920 survey of the subdivisional lines, T 25 N, R 28 E, from which the original bearing trees:</p> <p style="padding-left: 40px;">A ponderosa pine, 31 ins. diam., bears S 47 1/4° E, 262 1/2 lks. dist., with healed blaze. (Record: 263 lks. dist.)</p> <p style="padding-left: 40px;">A decaying ponderosa pine stump, 36 ins. diam., bears N 84° W, 252 1/2 lks. dist., illegibly mkd. on remaining surface. (Record: 252 lks. dist.)</p> <p>from which the new bearing objects:</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears S 19° W, 127 lks. dist., mkd. T25N R28E S23 BT.</p> <p style="padding-left: 40px;">The cor. of barbed wire fences, 5 strand, extending N and E, bears N 39 1/2° W, 38 1/2 lks. dist.</p> <p>Add the marks 1986 to the brass cap.</p> <p>From this cor., a sandstone, of unknown origin, 27 x 7 x 5 ins., firmly set, projecting 11 ins. above ground, mkd. with 1 groove on the E face and IA on the S face, bears S 89°23' W, 2.01 chs. dist. Destroy the marked stone.</p>
	<p>From the cor. of secs. 13, 18, 19 and 24, on the E bdy. of the Tp., monumented with an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1985 resurvey of the W bdy., T 25 N, R 29 E, executed concurrently under this same group.</p> <p>N 89°57' W, bet. secs. 13 and 24.</p>
22.70	Graded road, 30 lks. wide, bears NE and SW.
40.05	<p>The 1/4 sec. cor. of secs. 13 and 24, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. as described in the official record of the 1920 survey of the subdivisional lines, T 25 N, R 28 E, from which the remaining original bearing tree:</p>

BOOK 5301

Dependent Resurvey of a Portion of the Subdivisional Lines,
T 25 N, R 28 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p>A ponderosa pine, 29 ins. diam., bears N 50 3/4° W, 47 lks. dist., with no marks remaining on open blaze. (Record: N 50 1/4° W)</p>
	<p>from which the new bearing trees:</p>
	<p>A piñon, 13 ins. diam., bears N 16 3/4° E, 161 1/2 lks. dist., mkd. 1/4 S13 BT.</p>
	<p>A ponderosa pine, 9 ins. diam., bears S 72 3/4° W, 113 lks. dist., mkd. 1/4 S24 BT.</p>
	<p>Add the marks T25N R28E 1986 to the brass cap.</p>
	<p>From this cor., a sandstone, of unknown origin, 25 x 5 x 4 ins., firmly set, projecting 12 ins. above ground, mkd. 1/4 on the N face and IA on the S face, bears S 89°17' W, 1.99 chs. dist. Destroy the marked stone.</p>
	<hr/> <p>N 89°57' W, beginning new measurement.</p>
18.55	<p>Trail road, bears S 50° E and N 50° W.</p>
33.17	<p>Barbed wire fence, 5 strand, extending S 20° E and N 20° W.</p>
40.03	<p>The cor. of secs. 13, 14, 23 and 24, hereinbefore described.</p>
	<hr/> <p style="text-align: center;">Survey of the Subdivision of Section 24</p> <hr/>
	<p>From the 1/4 sec. cor. of secs. 24 and 25.</p>
	<p>North, on the N and S centerline of sec. 24.</p>
	<p>Over rolling land.</p>
40.07	<p>Point for the center 1/4 sec. cor. of sec. 24, at intersection with the E and W centerline of sec. 24..</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T25N R28E C1/4 S24 1986</p>

BOOK 5301

Survey of the Subdivision of Section 24,
T 25 N, R 28 E, Gila and Salt River Mer., Arizona

CHAINS	
	from which
	A piñon, 16 ins. diam., bears N 72 1/2° E, 21 lks. dist., mkd. C 1/4 S24 BT.
	A forked piñon, 10 ins. diam., bears N 40° W, 51 lks. dist., mkd. X BT.
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. orange colored plastic case beneath the stainless steel post.
	From this cor., a sandstone, of unknown origin, 28 x 12 x 3 ins., firmly set, projecting 12 ins. above ground, mkd. CS24 on the N face, bears S 88°55' W, 2.02 chs. dist. Destroy the marked stone.
52.25	Trail road, bears S 10° E and N 10° W.
61.40	Graded road, 30 lks. wide, bears N 35° E and S 35° W.
80.12	The 1/4 sec. cor. of secs. 13 and 24.
	<hr/> From the 1/4 sec. cor. of secs. 19 and 24, on the E bdy. of the Tp., monumented with an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record of the 1985 resurvey of the W bdy., T 25 N, R 29 E, executed concurrently under this same group.
	N 89°56' W, on the E and W centerline of sec. 24.
	Over rolling land.
36.10	Trail road, bears S 60° E and N 60° W.
40.04	The center 1/4 sec. cor. of sec. 24.
80.07	The 1/4 sec. cor. of secs. 23 and 24.
	<hr/>

BOOK 5301

T 25 N, R 28 E, Gila and Salt River Mer., Arizona

CHAINS	GENERAL DESCRIPTION
	<p data-bbox="397 375 1435 499">The area surveyed is within the Navajo Indian Reservation, approximately 14 miles southwest of St. Michaels, Arizona. The terrain varies from rolling to rugged land. The elevation ranges from 7460 to 7520 feet above sea level.</p> <p data-bbox="397 535 1403 693">The drainage in the area is in a southerly direction. The soil varies from sandy clay loam to clay with sandstone outcroppings and large exposed sandstone areas. The vegetation consists of ponderosa pine, pinyon, juniper, scrub oak, sagebrush, rabbitbrush, native grasses and scattered yucca and cacti.</p> <p data-bbox="397 728 1438 852">Access is provided by Bureau of Indian Affairs Forestry Road 9000, a graded dirt road meandering southerly about 12 miles from Arizona State Highway 264. From this road there are a number of trail roads which meander throughout most of sec. 24.</p> <p data-bbox="397 888 1403 980">The area is used by members of the Navajo tribe to raise sheep, goats, cattle and horses. The Navajo tribe also utilizes the timber resources available throughout the area.</p> <p data-bbox="397 1016 1438 1073">The average magnetic declination is 12 1/2° E, with no noticeable variation due to local attraction.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Daniel N. Patterson	Cadastral Surveyor
Jones C. Curtiss	Engineering Technician II
Dean Clyde	Survey Aide
Ralph Jones	Survey Aide

CERTIFICATE OF SURVEY

I, Kevin R. DeRossett, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of August, 1985, I have dependently resurveyed a portion of the subdivisional lines, and surveyed the subdivision of section 24, Township 25 North, Range 28 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, 1973, and in specific manner described in the foregoing field notes.

Kevin R. DeRossett is no longer assigned to this office and not available for signature

1/14/91
(Date)

William F. Olvey
(Chief, Navajo Project Office)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines, and the survey of the subdivision of section 24, Township 25 North, Range 28 East, Gila and Salt River Meridian Arizona, executed by Kevin R. DeRossett, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

2/05/91
(Date)

Jerry A. Talbot
Acting (Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I Certify that the foregoing transcript of the field notes of the above-described surveys in T 25 N, R 28 E, Gila and Salt River Meridian, Arizona is a true copy of the original field notes.~~

~~_____
(Date)~~

~~_____
(Chief Cadastral Surveyor of Arizona)~~