

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
THE SIXTH STANDARD
PARALLEL NORTH
(SOUTH BOUNDARY),
TOWNSHIP 25 NORTH, RANGE 27 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA

EXECUTED BY

Jones Curtiss, Cadastral Surveyor

Under Special Instructions dated and approved May 1, 2002, which provided for the surveys included under Group No. 886, and assignment instructions dated May 1, 2002.

Survey commenced January 26, 2003

Survey completed January 27, 2003

INDEX DIAGRAM

TOWNSHIP 25 NORTH RANGE 27 EAST
GILA AND SALT RIVER MERIDIAN, ARIIZONA

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

T. 25 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of the Sixth Standard Parallel North (south boundary), T. 25 N., R. 27 E., Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

Frank Follman surveyed the Sixth Standard Parallel North thru Ranges 22 to 29 East in 1883. The Sixth Standard Parallel North thru Range 27 East, was dependently resurveyed by Loyd E. Sechrist in 1920. Jones Curtiss dependently resurveyed the Sixth Standard Parallel North (south boundary), Township 25 North, Range 26 East, in 2002, concurrently under this same group.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated May 1, 2002, for Group No. 886, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation Model 5700 receivers.

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

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey's Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) FLAGSTAFF, FERNO MESA AND PIE TOWN VLBA. The NAD83(CORS96)(EPOCH:2002) geographic position of the southeast corner of the township is as follows:

Latitude: 35°31'03.38" N. Longitude: 109°24'02.88" W.

The mean magnetic declination is 11 1/2° E.

Dependent Resurvey of the Sixth Standard Parallel North (South Boundary),
T. 25 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the resurvey executed by Loyd E. Sechrist, in 1920</p> <hr/> <p>Beginning at the stan. cor. of Tp. 25 N., Rs. 26 and 27 E., monumented with a stainless steel post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of dependent resurvey of the Sixth Standard Parallel North (south boundary), T. 25 N., R. 26 E., executed concurrently under this same group.</p> <p>S. 89°58' E., on the S. bdy. of sec. 31.</p> <p>Over rolling land.</p> <p>40.04 The stan. 1/4 sec. cor. of sec. 31, monumented with an iron post, 1 in. diam., firmly set projecting 13 ins. above ground, with brass cap mkd. SC 1/4 S31 1920, from which the 1920 bearing trees</p> <p style="padding-left: 40px;">A piñon, 12 ins. diam., bears N. 49 1/2° E., 78 lks. dist., mkd. 1/4 S31 BT on partially healed blaze.</p> <p style="padding-left: 40px;">A piñon, 8 ins. diam., bears N. 20 1/2° W., 49 lks. dist., mkd. 1/4 S31 SC BT on partially healed blaze. (Record: 48 lks.)</p> <p>Add the marks T25N R27E 2003 to the brass cap.</p> <hr/> <p>S. 89°59' E., beginning new measurement.</p> <p>39.94 The stan. cor. of secs. 31 and 32, monumented with an iron post, 2 ins. diam., firmly set projecting 10 ins. above ground, with brass cap mkd. SC T25N R27E S31 S32 1920, from which the remaining 1920 bearing tree</p> <p style="padding-left: 40px;">A fork juniper, 17 ins. diam., bears N. 45 1/4° E., 39 lks. dist., mkd. T25N SC R27E BT on partially healed blaze.</p> <p>Add the marks 2003 to the brass cap.</p> <hr/> <p>S. 89°59' E., on the S. bdy. of sec. 32.</p> <p>Over rolling land.</p> <p>39.99 Point for the stan. 1/4 sec. cor. of sec. 32, at proportionate dist.; there is no remaining evidence of the 1920 cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

Dependent Resurvey of the Sixth Standard Parallel North (South Boundary),
T. 25 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">SC T 25 N R 27 E 1/4 S 32 —————</p>
	<p style="text-align: center;">2003</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
	<p>Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, N. of cor.</p>
79.98	<p>The stan. cor. of secs. 32 and 33, monumented with an iron post, 2 ins. diam., firmly set projecting 8 ins. above ground, with brass cap mkd. SC T25N R27E S32 S33 1920.</p>
	<p>Add the marks 2003 to the brass cap.</p> <hr/>
	<p>S. 89°59' E., on the S. bdy. of sec. 33.</p>
	<p>Over rolling land.</p>
39.50	<p>Trail road, bears NNE and SSW.</p>
40.06	<p>Point for the stan. 1/4 sec. cor. of sec. 33, at proportionate dist.; there is no remaining evidence of the 1920 cor.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T 25 N R 27 E 1/4 S 33 —————</p>
	<p style="text-align: center;">2003</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
	<p>Cor. is located 40 lks. E. of a trail road, bears NE and SW.</p>
80.12	<p>The stan. cor. of secs. 33 and 34, monumented with an iron post, 2 ins. diam., firmly set projecting 8 ins. above ground, with brass cap mkd. SC T25N R27E S33 S34 1920.</p>
	<p>Add the marks 2003 to the brass cap.</p> <hr/>
	<p>S. 89°58' E., on the S. bdy. of sec. 34.</p>
	<p>Over rolling land.</p>

Dependent Resurvey of the Sixth Standard Parallel North (South Boundary),
T. 25 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>The stan. 1/4 sec. cor. of sec. 34, monumented with an iron post, 1 in. diam., firmly set projecting 11 ins. above ground, with brass cap mkd. 1/4 S34 1920.</p> <p>Add the marks SC T25N R27E 2003 to the brass cap.</p> <hr/> <p>East, beginning new measurement.</p>
40.01	<p>Point for the stan. cor. of secs. 34 and 35, at proportionate dist.; there is no remaining evidence of the 1920 cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>SC</p> <p>T 25 N R 27 E</p> <p>S 34 S 35</p> <hr style="width: 50%; margin: auto;"/> <p>2003</p> </div> <p>from which</p> <p style="padding-left: 40px;">The SW cor. of a wood frame house, 32 x 24 ft., bears N. 62 1/2° E., 2.80 chs. dist., long side bears N.</p> <p style="padding-left: 40px;">The NE cor. of a wood frame barn, 24 x 17 ft., bears N. 80° W., 1.83 chs. dist., long side bears S.</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located in a residential area.</p> <hr/> <p>East, on the S. bdy. of sec. 35.</p> <p>Over rolling and broken land.</p>
40.01	<p>The stan. 1/4 sec. cor. of sec. 35, monumented with an iron post, 1 in. diam., firmly set projecting 8 ins. above ground, with brass cap mkd. SC 1/4 S35 1920, from which the remains of a 1920 bearing tree</p> <p style="padding-left: 40px;">A root hole, bears N. 33 1/4° W., 81 lks. dist., with a piñon, 9 ins. diam., with a healed blaze, lying alongside.</p> <p>Add the marks T25N R27E 2003 to the brass cap.</p> <p>Cor. is located 95 lks. N. of Navajo Route 28, a graded road, 20 ft. wide, bears E. and W.</p> <hr/>

Dependent Resurvey of the Sixth Standard Parallel North (South Boundary),
T. 25 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	S. 89°59' E., beginning new measurement.
12.70	Navajo Route 28, a graded road, 25 ft. wide, bears E. and W.
40.04	<p>The stan. cor. of secs. 35 and 36, determined from the 1920 bearing trees</p> <p style="padding-left: 40px;">A piñon, 9 ins. diam., bears N. 88 1/2° E., 47 lks. dist., mkd. T25N R27E S36 SC BT on partially healed blaze.</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears N. 73 1/4° W., 11 lks. dist., mkd. T25N R27E S35 SC BT on partially healed blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; padding: 10px 0;"> SC T 25 N R 27 E S 35 S 36 ----- </div> <p style="text-align: center;">2003</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, N. of cor.</p> <hr/> <p>S. 89°56' E., on the S. bdy. of sec. 36.</p> <p>Over rolling and broken land.</p>
40.03	<p>The stan. 1/4 sec. cor. of sec. 36, monumented with an iron post, 1 in. diam., firmly set projecting 10 ins. above ground, with brass cap mkd. SC 1/4 S36 1920, from which the remains of a 1920 bearing tree</p> <p style="padding-left: 40px;">A root hole, bears North, 26 lks. dist., with a piñon, 14 ins. diam., mkd. 1/4 S36 SC BT on partially healed blaze, lying alongside.</p> <p>Add the marks T25N R27E 2003 to the brass cap.</p> <hr/> <p>N. 89°59' E., beginning new measurement.</p>
40.02	<p>The stan. cor. of Tp. 25 N., Rs. 27 and 28 E., determined from the remains of the 1920 bearing trees. An iron post, 3 ins. diam., 36 ins. long, lying loose nearby, mkd. SC T25N R27E R28E S36 S31 1920.</p>

Dependent Resurvey of the Sixth Standard Parallel North (South Boundary),
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A piñon, 23 ins. diam., bears N. $48\ 1/2^\circ$ E., 88 lks. dist., mkd. T25N R28E S31 SC BT. on partially healed blaze.

A piñon stump, 24 ins. diam. at base, 12 ins. high, bears N. $35\ 1/4^\circ$ W., 78 lks. dist.

At the corner point

Reset the iron post, 30 ins. in the ground to sandstone bedrock.

Add the marks 2003 to the brass cap.

Deposit a magnet in a white plastic case at the base of the iron post.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

From this cor. point, the 1920 line tree, a piñon, 12 ins. diam., bears East, 43 lks. dist., with hack mks. on E. and W. sides.

T. 25 N., R. 27 E., Gila and Salt River Meridian, Arizona

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GENERAL DESCRIPTION

The area resurveyed is within the Navajo Indian Reservation, near the community of Klagetoh, Arizona. The terrain is mostly rolling land with broken land at higher elevations in the eastern portion. The drainage is westerly.

The elevation varies from 6400 to 7100 feet above sea level. The soil is sandy and rocky clay. The timber consist of piñon, juniper and scattered ponderosa pine in the eastern portion. Undergrowth principally consists of cacti, sagebrush, scrub oak and native grasses.

Principal access to the surveyed area is provided by Navajo Route 28, a graded road, between Klagetoh community and Oak Ridge community. Much of the area is used for grazing livestock with some permanent homesites in the area.

The mean magnetic declination of $11\ 1/2^{\circ}$ E. was derived from the computer program GEOMAGIX, utilizing the World Magnetic Model for Epoch 2000 for the dates of survey.

CERTIFICATE OF SURVEY

I, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 1st day of May, 2002, I have dependently resurveyed the Sixth Standard Parallel North (south boundary), T. 25 N., R. 27 E., 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. 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.

March 01, 2005
(Date)

Jones Curtiss
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of the Sixth Standard Parallel North (south boundary), T. 25 N., R. 27 E., Gila and Salt River Meridian, in the State of Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

MARCH 14, 2005
(Date)

Stephen K. Hansen
(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. 27 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

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