

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
A PORTION OF
THE SIXTH STANDARD
PARALLEL NORTH,
(SOUTH BOUNDARY),
TOWNSHIP 25 NORTH, RANGE 30 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 January 22, 2001, which provided for the surveys included under Group No. 863, and assignment instructions dated January 22, 2001.

Survey commenced September 10, 2001

Survey completed September 12, 2001

INDEX DIAGRAM

TOWNSHIP 25 NORTH RANGE 30 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Sixth Standard Parallel North, (south boundary), T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona.

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

The Sixth Standard Parallel North, (south boundary), T. 25 N., R. 30 E., was originally surveyed by Sidney E. Blout in 1927 and a portion was dependently resurveyed by Jones Curtiss, in 2001, 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 January 22, 2001, for Group No. 863, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 4400 and 4700 model 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 Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AZTEC, COSA, PIE TOWN VLBA. The NAD 83 (CORS1996) (EPOCH: 2001), geographic position of the stan. cor. of secs. 35 and 36, is as follows:

Latitude: 35°31'03.39" N. Longitude: 109°05'57.15" W.

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

Dep. Res., Portion of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>39.98</p>	<p style="text-align: center;">Restoring the survey executed by Sidney E. Blout in 1927</p> <hr/> <p>Beginning at the stan. cor. of Tps. 25 N., Rs. 29 and 30 E., monumented with an iron post, 3 ins. diam., set, mkd., and witnessed as described in the field notes of the dependent resurvey of a portion of the Sixth Standard Parallel North, (south boundary), T. 25 N., R. 29 E., executed concurrently under this same group.</p> <p>N. 89°54' E., on the S. bdy. of sec. 31.</p> <p>Over rolling land.</p> <p>The stan. 1/4 sec. cor. of sec. 31, monumented with an iron post, 1 in. diam., loosely set, projecting 28 ins. above ground, in a mound of stone, 4 ft. base, 1 ft. high, with brass cap mkd. SC 1/4 S31 1927.</p> <p>from which the remaining original bearing tree</p> <p style="padding-left: 40px;">A piñon stump, 12 ins. diam., 16 ins. high, bears N. 14 1/2° E., 1.385 chs. dist., with a blaze on the SW face, no visible markings. (Record: 140 lks.)</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in sandstone bedrock, with brass cap mkd.</p> <p style="text-align: center;">SC T 25 N R 30 E 1/4 S 31</p> <hr/> <p style="text-align: center;">2001</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, 4 ft. base, 1 1/2 ft. high, N. of cor.</p> <p>Bury the original iron post, 36 ins. long, alongside the stainless steel post.</p> <hr/> <p>N. 89°48' E., beginning new measurement.</p> <p>Over rolling land.</p>
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Dep. Res., Portion of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>The stan. cor. of secs. 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd. SC T25N R30E S31 S32 1927.</p> <p>from which the remaining original bearing tree</p> <p style="padding-left: 40px;">A piñon, 9 ins. diam., bears N. 39 3/4° E., 66 lks. dist., with scribe marks T25N R30E S32 SC BT visible on partially open blaze.</p> <p>Add the marks 2001 to the brass cap.</p> <hr/>
	<p>S. 89°52' E., on the S. bdy. of sec. 32.</p> <p>Over rolling land.</p>
40.00	<p>The stan. 1/4 sec. cor. of sec. 32, monumented with an iron post, 1 in. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd. SC 1/4 S32 1927.</p> <p>Add the marks T25N R30E 2001 to the brass cap.</p> <hr/>
	<p>S. 89°52' E., beginning new measurement.</p> <p>Over rolling land.</p>
40.00	<p>The stan. cor. of secs. 32 and 33, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. SC T25N R30E S32 S33 1927.</p> <p>Add the marks 2001 to the brass cap.</p> <hr/>
	<p>East, on the S. bdy. of sec. 33.</p> <p>Over rolling and broken land.</p>
40.05	<p>The stan. 1/4 sec. cor. of sec. 33, monumented with an iron post, 1 in. diam., loosely set, projecting 20 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. SC 1/4 S33 1927.</p>

Dep. Res., Portion of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

from which the remaining original bearing tree

A piñon, 7 ins. diam., bears N. 31 1/4° E., 31 lks. dist.,
with scribe marks 1/4 S33 SC BT visible on partially
open blaze. (Record: 30 lks.)

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
24 ins. in the ground, with brass cap mkd.

SC
T 25 N R 30 E
1/4 S 33

2001

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

Cor. is located 8 ft. N. of the edge of a mesa, bears ESE and
WNW.

Bury the original iron post, 36 ins. long, alongside the
stainless steel post.

S. 89°58' E., beginning new measurement.

Over broken land, on descent.

40.05

The stan. cor. of secs. 33 and 34, monumented with a brass
tablet, 3 1/2 ins. diam., cemented in sandstone bedrock, with
top mkd. SC T25N R30E S33 S34 1927.

from which the remaining original bearing trees

A piñon, 9 ins. diam., bears N. 6 1/4° W., 96 1/2 lks.
dist., with scribe marks T25N R30E S34 SC BT visible on
partially open blaze. Deface the scribe marks, and
remark XBT on open blaze. (Record: cedar, 6 ins. diam.,
N. 4 1/2° E., 103 lks.)

A piñon, 6 ins. diam., bears N. 66 3/4° W., 45 1/2 lks.
dist., with scribe marks T25N R30E S33 SC BT visible on
partially open blaze. (Record: 42 lks.)

Dep. Res., Portion of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Cor. is located on a narrow sandstone shelf, 5 1/2 ft. long, 1 ft. wide, 4 ft. high, on the E. wall of a canyon, 15 ft. high, bears NE and SW, and 5 ft. W. of a wash, 6 ft. wide, 2 ft. deep, drains WSW.</p>
	<p>Add the marks 2001 to the brass tablet.</p> <hr/>
	<p>S. 89°55' E., on the S. bdy. of sec. 34.</p>
	<p>Over broken land, on descent.</p>
39.60	<p>Wash, 20 ft. wide, 15 ft. deep, drains SE.</p>
39.95	<p>The stan. 1/4 sec. cor. of sec. 34, determined at record bearing and distance from the remaining original bearing tree</p>
	<p>A piñon, 6 ins. diam., bears N. 34 1/4° W., 98 lks. dist., with scribe marks 1/4 S34 SC BT visible on partially open blaze. (Record: 10 ins. diam.)</p>
	<p>At the cor. 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>
	<p style="text-align: center;">SC T 25 N R 30 E 1/4 S 34</p> <hr style="width: 10%; margin: auto;"/>
	<p style="text-align: center;">2001</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/>
	<p>N. 89°54' E., beginning new measurement.</p>
	<p>Over broken land, on descent.</p>
40.00	<p>The stan. cor. of secs. 34 and 35, determined at record bearings and distances from the original bearing trees</p>
	<p>A piñon, 13 ins. diam., bears N. 29 1/2° E., 1.32 chs. dist., with scribe marks T25N R30E S35 SC BT visible on partially open blaze.</p>

Dep. Res., Portion of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A piñon, 13 ins. diam., bears N. 72° W., 2.72 chs. dist., with illegible scribe marks visible on partially open blaze.</p> <p>At the cor. 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> <p style="text-align: center;">SC T 25 N R 30 E S 34 S 35</p> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located on the W. bank of a wash, 12 ft. wide, 2 ft. deep, drains SSE and 60 lks. W. of a power line, bears NNE and SSW.</p> <p>From this cor. point, a brass tablet, 3 ins. diam., set flush with the ground, in a concrete collar, 6 1/2 ins. diam., bears S. 40°57' E., 3.01 chs. dist., with top mkd. BIA ROADS, and witnessed by an angle iron set nearby, mkd. HWY ROW PT 16+637.76.</p> <p>From this same cor. point, a brass tablet, 3 ins. diam., set flush with the ground, in a concrete collar, 6 1/2 ins. diam., bears S. 1°10' W., 1.19 chs. dist., with top mkd. BIA ROADS, and witnessed by an angle iron set nearby, mkd. HWY ROW PT 16+637.76.</p> <hr/> <p>N. 89°58' E., on the S. bdy. of sec. 35.</p> <p>Over broken land.</p>
2.05	Navajo Route 12, asphalt pavement, 40 ft. wide, bears NNE and SSW.
10.30	Top of narrow rocky ridge, bears N and S.
19.90	Top of ridge, bears NNE and SSW
36.00	Top of mesa, bears N. and S.
40.01	The stan. 1/4 sec. cor. of sec. 35, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. SC 1/4 S35 1927.

Dep. Res., Portion of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

from which the remaining original bearing tree

A stump hole, bears N. 17° E., 91 lks. dist., with a dead and down piñon, 8 ins. diam., lying loose nearby, with scribe marks 1/4 S35 SC BT visible on partially open blaze. (Record: N. 15 1/2° E.)

Add the marks T25N R30E 2001 to the brass cap.

S. 89°58' E., beginning new measurement.

Over broken land, on descent.

40.04

The stan. cor. of secs. 35 and 36, determined at record distances from the remaining original bearing trees

A piñon, 12 ins. diam., bears N. 62° E., 63 lks. dist., with scribe marks T25N R30E SC S36 BT visible on partially open blaze. (Record: N. 60° E.)

A piñon, 14 ins. diam., bears N. 69° W., 71 lks. dist., with scribe marks T25N R30E SC S35 BT visible on partially open blaze.

There is no remaining evidence of the cross (X) on exposed bedrock.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in sandstone bedrock, with brass cap mkd.

SC
T 25 N R 30 E
S 35 | S 36

2001

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

T. 25 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The portion of the Sixth Standard Parallel North surveyed is within the Navajo Indian Reservation, and is near the community of Oak Springs. The terrain is gently rolling in Oak Spring Valley and atop the large plateau, and broken and rugged in Black Creek Canyon and on the slopes of the plateau.

The elevation is approximately 7300 feet above sea level. The soil is mostly sandy and rocky clay, with some sandstone outcrops. The timber is generally healthy stands of ponderosa pine, piñon and juniper. Undergrowth is brush and native grasses.

Principal access to the area is provided by Navajo Route 12, a paved road. There are graded roads and trail roads on the plateau and in the valleys. Much of the area is used for grazing livestock. There are numerous residences in the valleys, and a few on the plateau. There is no mining activity in the township.

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.

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

FIELD ASSISTANTS

NAMES	CAPACITY
Daniel L. Maxey	Cadastral Surveyor
William F. Olver	Cadastral Surveyor
James L. Werdel	Cadastral Surveyor
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician
Reuben Mason	Engineering Technician
Barney Woodie	Engineering Technician

CERTIFICATE OF SURVEY

I, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 22nd day of January, 2001, I have dependently resurveyed a portion of the Sixth Standard Parallel North, (south boundary), T. 25 N. R. 30 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.

April 08, 2004
(Date)

Jones Curtiss
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the Sixth Standard Parallel North, (south boundary), T. 25 N. R. 30 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.

April 12, 2004
(Date)

Kenny D. Ravmatar
(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. 30 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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