

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 29 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 5, 2001

Survey completed September 6, 2001

INDEX DIAGRAM

TOWNSHIP 25 NORTH RANGE 29 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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 5	36 4

T. 25 N., R. 29 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. 29 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. 29 E., was originally surveyed by Frank Follman in 1883, resurveyed by Sidney E. Blout in 1927, and was dependently resurveyed by Kevin R. DeRossett in 1985-86.

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 and PIE TOWN VLBA. The NAD 83 (CORS96)(EPOCH: 2001), geographic position of the southeast corner of the township, is as follows:

Latitude: 35°31'03.38" N. Longitude: 109°11'16.47" 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. 29 E., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the dependent resurvey executed by
Kevin R. DeRossett in 1985-86

Beginning at the stan. cor. of Tps. 25 N., Rs. 29 and 30 E.,
monumented with an iron post, 3 ins. diam., firmly set,
projecting 20 ins. above ground, in a supporting mound of stone,
4 ft. base, to top, with brass cap mkd. SC T25N R29E R30E S36
S31 1985 1927.

from which the remaining 1927 bearing tree

A dead piñon, 7 ins. diam., bears N. 38 1/4° E.,
2.13 chs. dist., with scribe marks T25N R30E S31 SC BT
visible on open blaze.

and the 1985 bearing trees

A piñon, 11 ins. diam., bears N. 31 3/4° E., 3.615 chs.
dist., with scribe marks T25N R30E S31 SC BT visible on
open blaze.

A piñon, 12 ins. diam., bears N. 70 1/2 W., 5.21 chs. dist.,
with scribe marks T25N R29E S36 SC BT visible on open
blaze.

Add the marks 2001 to the brass cap.

N. 89°59' W., on the S. bdy. of sec. 36.

Over rolling land.

39.97

The stan. 1/4 sec. cor. of sec. 36, monumented with an iron
post, 1 in. diam., firmly set, projecting 12 ins. above ground,
in a scattered mound of stone, with brass cap mkd. SC T25N R29E
1/4 S36 1985 1927.

from which the 1927 bearing trees

A piñon, 16 ins. diam. at the base, bears N. 25 1/2° E.,
1.42 chs. dist., with scribe marks 4 S36 SC BT visible
on partially open blaze.

A piñon, 14 ins. diam. at the base, bears N. 78 3/4° W.,
1.59 chs. dist., with a healed blaze.

Add the marks 2001 to the brass cap.

S. 89°55' W., beginning new measurement.

**Dep. Res., Portion of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 29 E., Gila and Salt River Meridian, Arizona**

CHAINS	
39.98	<p>The stan. cor. of secs. 35 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd. SC T25N R29E S35 S36 1985 1927.</p> <p>from which the 1927 bearing tree</p> <p style="padding-left: 40px;">A forked piñon, 19 ins. diam. at the base, bears N. 62 1/2° E., 5.655 chs. dist., with scribe marks T25N R29E S36 BT visible on partially open blaze.</p> <p>and the 1985 bearing tree</p> <p style="padding-left: 40px;">A ponderosa pine, 13 ins. diam., bears N. 49° W., 2.895 chs. dist., with a healed blaze.</p> <p>Add the marks 2001 to the brass cap.</p> <hr/>
39.99	<p>S. 89°59' W., on the S. bdy. of sec. 35.</p> <p>The stan. 1/4 sec. cor. of sec. 35, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, in a supporting mound of stone, 2 ft. base, to top, with brass cap mkd. SC T25N R29E 1/4 S35 1985.</p> <p>from which the 1927 bearing trees</p> <p style="padding-left: 40px;">A dead ponderosa pine, 13 ins. diam., bears N. 31 1/2° E., 69 lks. dist., with scribe marks 4 S35 BT visible on partially open blaze.</p> <p style="padding-left: 40px;">A ponderosa pine, 28 ins. diam., bears N. 66 3/4° W., 60 lks. dist., with a healed blaze.</p> <p>and the 1985 bearing tree</p> <p style="padding-left: 40px;">A ponderosa pine, 11 ins. diam., bears N. 70 1/4° E., 95 1/2 lks. dist., with a healed blaze.</p> <p>Add the marks 2001 to the brass cap.</p> <hr/>

T. 25 N., R. 29 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. 29 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 dependant resurvey of a portion of the Sixth Standard Parallel North, (south boundary), T. 25 N. R. 29 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 Pawmka
(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. 29 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)